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(54) Crystal structure (3 Å resolution) of the 30S ribosome and its use

(57) The invention provides an X-ray crystal structure of the 30S ribosome, obtained from *Thermus thermophilus* 30S subunit, having a tetragonal space group $P4_12_12$ with unit cell dimensions of $a = 401.4 \pm 4.0 \text{ Å}$, $b = 401.4 \pm 4.0 \text{ Å}$, $c = 175.9 \pm 5.0 \text{ Å}$. An advantageous feature of the structure is that it diffracts beyond 3 Å resolution.

The invention also provides a crystal of 30S having the three dimensional atomic coordinates of the 30S ribosome, the coordinates being provided in Tables 1A and 1B. The data may be used for the rational design and modelling of inhibitors for the 30S ribosome, which have potential use as antibiotics.

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Description

Field of the Invention

- 5 [0001] The present invention relates to the provision of a high resolution crystal structure of the prokaryotic 30S ribosome subunit, and the use of this structure in drug discovery.

Background of the Invention

- 10 [0002] The wealth of information made available through efforts in structural genomics and advances in computation has allowed structure-based drug design to emerge as a valuable tool in medicinal chemistry. In the past combinatorial chemistry, coupled with high-throughput approaches, shifted attention away from the more structure-based methods. Large-scale determination of protein structures is reversing the drug discovery process by starting with the protein structure and using it to identify and design new ligands. It is the integration of structure-based methods, virtual screening, and combinatorial chemistry that will provide the basis for more efficient drug design in the future, significantly reducing the time of the design cycle and the cost per marketed drug. Significant advances have already been made in AIDs, arthritis and cancer and in the treatment of hypertension e.g. captopril.
- 15 [0003] Translation of the genetic code occurs on the ribosome, a large nucleoprotein complex that consists of two subunits. In bacteria, the two subunits are denoted 30S and 50S. The 50S subunit contains the catalytic site of peptidyl transferase activity, while the 30S subunit plays a crucial role in decoding messenger RNA. Protein synthesis is a complex, multistep process that requires several extrinsic GTP-hydrolysing protein factors during each of the main stages of initiation, elongation and termination. Despite several decades of work, the molecular details of the process are poorly understood, and the elucidation of the mechanism of translation is one of the fundamental problems in molecular biology today. A recent collection of articles summarizes the state of understanding of the field [1].
- 20 [0004] A contribution to this problem was made by Yonath and coworkers, who after nearly a decade of work showed that structures as large as the 50S ribosomal subunit would form crystals that diffract beyond 3Å resolution [2]. Originally, it was not clear that phase information from such a large asymmetric unit could be obtained to high resolution, but the development of bright, tuneable synchrotron radiation sources, large and accurate area detectors, vastly improved crystallographic computing, and the advent of cryo-crystallography have all contributed to making structural studies of the ribosome more tractable. In our work, the use of anomalous scattering from the LIII edges of lanthanides and osmium has also played a critical role in obtaining phases.
- 25 [0005] The 30S ribosomal subunit (hereafter referred to as 30S) from *Thermus thermophilus* was originally crystallized by Trakhanov *et al.* in 2-methyl-2,4-pentanediol (MPD) [3] and soon afterwards by Yonath and coworkers in a mixture of ethylbutanol and ethanol [4]. Subsequent work by both groups showed that the MPD crystal form diffracted to about 9-12Å resolution [5, 6]. The diffraction limit of these crystals did not improve beyond 7Å resolution for almost a decade, but more recently both Yonath and coworkers [7, 8] and we [9] obtained crystals of the MPD form that exhibit significantly improved diffraction. However, unlike the crystals obtained by the Yonath group [6], our crystals do not require soaking in tungsten clusters or heat treatment in order to obtain high resolution diffraction.
- 30 [0006] We have previously described the structure of the 30S at 5.5Å resolution [9]. We were able to place all seven proteins whose structures were known at the time, infer the structure of protein S20 to be a three-helix bundle, trace the fold of an entire domain of 16S RNA, and identify a long RNA helix at the interface that contains the decoding site of the 30S. Proteins S5 and S7 were also placed in electron density maps of the 30S obtained by Yonath and coworkers.
- 35 [0007] The 30S ribosomal subunit is a major target for antibiotics. The ribosome is a useful target for antibiotics since the structure of the 30S is widely conserved between prokaryotes, allowing for broad spectrum antibiotics. However, resistance to current antibiotics is currently a major problem in the field of medicine. There are presently very few new antibiotics available which can be used to treat the highly resistant strains of bacteria such as MRSA (methicillin resistant *Staphylococcus aureus*) which are becoming increasingly widespread.
- 40 [0008] Understanding the interaction of antibiotics with the ribosome at the molecular level is important for two reasons. Firstly, antibiotics act by interfering with various aspects of ribosome function. Thus understanding their interaction will help shed light on mechanisms involved in translation. Secondly, a detailed knowledge of antibiotic interactions with the ribosome could aid the development of new drugs against increasingly resistant strains of bacteria. Although antibiotics were characterized several decades ago, a detailed knowledge of their mechanism will in general require a three-dimensional structure of their complex with the ribosome.
- 45 [0009] The low (greater than 3Å resolution) crystal structures described above do not provide sufficiently detailed resolution for useful modelling of the crystal structure of the 30S and there is thus a need for a high resolution structure which can be used usefully in the development of novel therapeutics.
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- 55

Summary of the invention

[0010] We have now solved and refined the structure of the 30S at 3Å resolution. The structure contains all of the ordered regions of 16S RNA and 20 associated proteins, and contains over 99% of the RNA sequence and 95% of the protein sequences, with the missing parts being exclusively at the termini of RNA or polypeptide chains. Here we describe the overall architecture and the main structural features of the 30S subunit.

[0011] The refined atomic resolution model of the 30S presented here allows the interpretation of a vast amount of biochemical data on its function in precise structural terms. The structure will also serve as a basis for the interpretation in molecular terms of lower resolution models of various functional states by electron-microscopy or x-ray crystallography. The 30S structure will help produce testable models for various aspects of ribosome function.

[0012] In a first aspect, the present invention provides a crystal of the *Thermus thermophilus* 30S subunit having a tetragonal space group P4₁2₁2 with unit cell dimensions of $a = 401.375 \text{ Å}$, $b = 401.375 \text{ Å}$, $c = 175.887 \text{ Å}$, or more generally $a = 401.4 \text{ Å}$, $b = 401.4 \text{ Å}$, $c = 175.9 \text{ Å}$, but more preferably $a = 401.4 \pm 4.0 \text{ Å}$, $b = 401.4 \pm 4.0 \text{ Å}$, $c = 175.9 \pm 5.0 \text{ Å}$. An advantageous feature of the structure is that it diffracts beyond 3Å resolution. Another feature of the structure is that it was obtained in a method which did not involve soaking crystals in heavy atom (e.g. tungsten or tantalum) clusters or heat activation. Furthermore, it is specifically of the 885-888/910-912 base pairing confirmation of 16S RNA. These features, both singly and in combination all contribute to features of the invention which are advantageous.

[0013] In a second aspect, the invention also provides a crystal of 30S having the three dimensional atomic coordinates of the 30S ribosome. Table 1A provides a set of atomic coordinates of the 30S ribosome. Table 1B provides a set based upon the coordinates of Table 1A but which have been refined further from our data. Reference herein to "Table 1" is a reference to either of Table 1A or 1B (or where the context permits, both). Thus, for example, where it is stated that the invention refers to computer readable media with "atomic coordinate data according to Table 1 recorded thereon", this means that the media has either the data of Table 1A, or the data of Table 1B, or both, recorded thereon.

[0014] We have also observed that 30S crystals do not contain the S1 subunit protein. In our studies, we have found that by selectively removing this protein prior to crystallization, we have been able to obtain the improved resolution described herein. Although the atomic co-ordinates provided in Table 1 below allows those of skill in the art to bypass the need to undertake the crystallization of the 30S, this crystallization method nonetheless forms a further aspect of the invention.

[0015] Accordingly, there is provided a method for crystallizing a the 30S subunit to obtain a high resolution structure of a 30S subunit, which method comprises providing a 30S subunit, selectively removing the S1 subunit therefrom and crystallizing the 30S.

[0016] In a further aspect, the present invention provides a method for identifying a potential inhibitor of the 30S comprising the steps of:

- a. employing a three-dimensional structure of 30S, or at least one sub-domain thereof, to characterise at least one active site, the three-dimensional structure being defined by atomic coordinate data according to Table 1; and
- b. identifying the potential inhibitor by designing or selecting a compound for interaction with the active site.

[0017] In a further aspect, the present invention provides computer readable media with either (a) atomic coordinate data according to Table 1 recorded thereon, said data defining the three-dimensional structure of 30S or at least one sub-domain thereof, or (b) structure factor data for 30S recorded thereon, the structure factor data being derivable from the atomic coordinate data of Table 1.

Description of the Drawings.

[0018]

Figure 1 shows the secondary structure of the 30S ribosome.

Figure 2 is Table 1A and 1B.

Detailed Description of the Invention.Definitions.

[0019] The term "sub-domain" includes the following:

- (a) and element selected from the following:

at least one complete element of secondary structure, i.e. an alpha helix or a beta sheet, or RNA helix, as described in the detailed description below;

a group of two or more such elements which interact with each other;

at least one subunit protein;

a subgroup of subunit proteins, for example a group which includes two or more proteins which are found to interact with each other;

any of the above, when being protein or element thereof being used in conjunction with all or part of the 16S RNA structure associated with said elements or proteins;

(b) a space of volume defining a region around any one particular atom of interest (e.g. an atom involved in binding to an antibiotic), the volume being less than the total volume of the tetragonal space of the complete crystal. For example, the coordinates of atoms in a volume of from about 500 to about 15,000 Å³ may be selected and used for the present invention. Such a space may be a sphere having a diameter of from about 10 Å to about 30 Å, centred around a point of interest; and

(c) a collection of at least 10, e.g. at least 25 such as at least 50, more preferably at least 100, even more preferably at least 500 atoms and most preferably at least 1000 atoms defined by the coordinates of Table 1, wherein at least 2 of said atoms, and preferably at least 50% of said atoms of the collection are located within 50 Å of each other.

[0020] An "active site" of the 30S is any part of this structure involved in tRNA or mRNA binding, factor binding or translocation. This includes regions responsible for binding initiation factors, elongation factor G or release factors, regions which are target sites for regulation by co-factors, phosphorylation or acetylation, and regions responsible for interaction with the 50S ribosome. It also includes regions which change conformation during translocation or protein synthesis, particularly one or more of the 16S RNA helices 18, 27, 34 and 44.

[0021] Particular regions of the 30S include antibiotic binding regions. Other regions include the three tRNA binding sites, i.e. the aminoacyl (A), peptidyl (P) and (exit) E sites.

Other active sites are those which undergo movement during translocation of tRNAs from the A to P sites and the P to E sites. Regions further include any one of the subunit proteins S2 to S20 and THX, including any of the individually identified subunit proteins in the accompanying examples.

[0022] By "fitting", is meant determining by automatic, or semiautomatic means, interactions between one or more atoms of an potential inhibitor molecule and one or more atoms or binding sites of the 30S, and calculating the extent to which such interactions are stable. Various computer-based methods for fitting are described further herein.

[0023] By "root mean square deviation" we mean the square root of the arithmetic mean of the squares of the deviations from the mean.

[0024] "Computer readable media" refers to any media which can be read and accessed directly by a computer. Such media include, but are not limited to: magnetic storage media such as floppy discs, hard disc storage medium and magnetic tape; optical storage media such as optical discs or CD-ROM; electrical storage media such as RAM and ROM; and hybrids of these categories such as magnetic/optical storage media.

[0025] A "computer system" refers to the hardware means, software means and data storage means used to analyse the atomic coordinate data of the present invention. The minimum hardware means of the computer-based systems of the present invention comprises a central processing unit (CPU), input means, output means and data storage means. Desirably a monitor is provided to visualise structure data. The data storage means may be RAM or means for accessing computer readable media of the invention. Examples of such systems are microcomputer workstations available from Silicon Graphics Incorporated and Sun Microsystems running Unix based, Windows NT or IBM OS/2 operating systems.

Table 1.

[0026] The coordinates of Table 1 provide a measure of atomic location in Angstroms, to a third decimal place. In order to use the information in these Tables for the purposes described herein as being aspects of the present invention, these coordinates may be varied by up to ± 1.0 , such as by up to ± 0.7 , preferably no more than up to ± 0.5 Angstroms, without departing from the scope of the invention.

[0027] Furthermore, varying the relative atomic positions of the atoms of the structure so that the root mean square deviation of the 16S RNA or S2-S20 protein backbone atoms is less than 1.5 Å (preferably less than 1.0 Å and more preferably less than 0.5 Å) when superimposed on the coordinates provided in Table 1 for these structures, will generally result in a structure which is substantially the same as the structure of Table 1 in terms of both its structural characteristics and potency for structure-based drug design of 30S ligands.

[0028] Thus for the purposes described herein as being aspects of the present invention, it is within the scope of the

invention if: the Table 1 coordinates are transposed to a different origin and/or axes; the relative atomic positions of the atoms of the structure are varied so that the root mean square deviation of conserved residue backbone atoms is less than 1.5Å (preferably less than 1.0Å and more preferably less than 0.5Å) when superimposed on the coordinates provided in Table 1 for the conserved residue backbone atoms; and/or the number and/or positions of water molecules is varied. Reference herein to the use of the coordinates of Table 1 thus includes the use of coordinates in which one or more individual values of the Table are varied in this way.

[0029] Table 1 includes coordinates of two zinc ions, together with 202 other ions which are not identified, although, while not wishing to be bound by any one theory, are believed to be selected from cobalt and magnesium. Some or all of these ions may optionally be discarded from Table 1 when using the data. The table also lists the coordinates of a 26 amino acid peptide, Thx, as well as a 6 nucleotide fragment of mRNA, NNNUCU, designated as molecule X. Both the coordinates of both these molecules may likewise optionally be discarded, i.e. so that the coordinates of the 16S RNA and the proteins S2 to S20 alone are modelled and used in applications of the invention.

[0030] There are a few N- or C-terminal sequences of the S2 to S20 proteins which were not resolved in the structure of Table 1, together with a some of the 5' and 3' residues of the 16S RNA. These are not essential for the purposes of the present invention, but are listed in Table 2 for completeness. Those of skill in the art may, if desired, wish to adapt the structures provided by the coordinate of Table 1 by modelling in one or more of the amino acids or nucleotides of Table 2.

[0031] This methodology provides those of skill in the art a means to provide 30S crystals of *T.thermophilus*. The conservation of ribosome structure, particularly regions of structure essential for function, between prokaryotes, for example prokaryotes which are human pathogens, such as *Staphylococcus* spp, and the like, allows the structure herein to be useful in the provision of anti-bacterial agents in general. Thus, the structure may be used to solve 30S subunits by the technique of molecular replacement. In such a method, x-ray diffraction data are obtained from crystals of a 30S subunit from another species, e.g. a species of a bacteria pathogenic to humans. The coordinates of Table 1 may be used to find the orientation of the unknown molecule in the crystal, and electron density maps calculated. These maps can then be interpreted with the sequence of the species in question, and the coordinates of our 30S structure can be used to help and speed interpretation. In this way, the structure of our 30S facilitates the determination of structures of 30S subunits and whole ribosomes from other organisms.

[0032] Accordingly, the invention provides a method for the determination of the structure of a bacterial 30S from a species other than *T. thermophilus* which method comprises:

- (a) crystallising the 30S of said species to obtain a crystal;
- (b) performing X-ray crystallography on said crystal to obtain X-ray diffraction data;
- (c) providing the structure data of Table 1; and
- (d) using molecular replacement to calculate an electron density map of the 30S.

[0033] In such a method the 30S may be prepared by removal of the S1 subunit, as described herein.

[0034] The electron density map obtained may then be used to calculate the atomic coordinate data of the 30S. The atomic coordinate data thus obtained may be used to for the design and analysis of new and specific ligands for 30S as described herein.

The 30S crystal structure.

[0035] The high resolution structure provided herein provides a crystal with unit cell dimensions which are provided in the accompanying table to 3 decimal places, i.e. $a=b=401.375$, $c=175.887$ Å. However, those of skill in the art wishing to reproduce the crystallization described herein and obtain such crystals will appreciate that a degree of experimental variability and error will mean that crystals of the invention will be obtained with a unit cell dimension within, but not exactly corresponding to, this size. Thus crystals of the invention may generally be defined as having unit cell dimensions of $a=401.4 \pm 4.0$ Å, $b=401.4 \pm 4.0$ Å, $c=175.9 \pm 5.0$ Å, preferably $a=401.4 \pm 1.0$ Å, $b=401.4 \pm 1.0$ Å, $c=175.9 \pm 2.0$ Å, preferably $a=401.4 \pm 0.7$ Å, $b=401.4 \pm 0.7$ Å, $c=175.9 \pm 1.4$ Å, and more preferably $a=401.4 \pm 0.2$ Å, $b=401.4 \pm 0.2$ Å, $c=175.9 \pm 0.4$ Å. These unit cell sizes are believed to define a novel and more highly resolved unit cell size than has previously been possible in the art.

Production of crystals.

[0036] To obtain crystals according to the present invention, we have found that selective removal of the S1 subunit protein is advantageous. A suitable method for the selective removal of the S1 subunit protein is by the use of a hydrophobic interaction chromatography column (poros-ET). 30S ribosomal subunits lacking the S1 subunit may suitably be separated from those containing the S1 subunit by running a column using a reverse ammonium sulfate gradient

from 1.5M to 0.5M, with 20mM Hepes, pH 7.5, and 10mM acetate. The 30S subunits lacking S1 are eluted first, giving the first major peak. During elution of the 30S peak the ammonium sulfate concentration is maintained at a constant level. Once the 30S peak has eluted the ammonium sulfate concentration is then further reduced to elute the 30S + S1 fraction.

5 [0037] An alternative method for the selective removal of the S1 subunit protein is by preparative gel electrophoresis. Gel electrophoresis may suitably be carried out by first preparing and mixing a 3% acrylamide, 0.5% agarose cylindrical gel, and pouring this gel into a BioRad Prep Cell. 30S ribosomal subunits are then loaded onto the gel and continuously eluted as they emerge from the other end of the gel. The 30S fraction lacking the S1 subunit comes off first, giving the first major peak. The 30S + S1 fraction gives the trailing peak (or shoulder) and can be discarded.

10 [0038] Once the S1 is removed, the crystals may be formed, using suitable conditions. These include the use of 13-17% v/v methyl-2,4-pentanediol in the presence of 200-300 (e.g. about 250) mM KCl, 50-100 (e.g. about 75) mM ammonium chloride, 15-30 (e.g. about 15 or about 25) mM $MgCl_2$ at a pH of 6.0 - 7.5 (e.g. about pH 6.3 - 6.7 such as pH 6.5) in 50 - 150 (e.g. about 100) mM sodium or potassium cacodylate or MES (2-(N-morpholino)ethane sulphonic acid).

15 [0039] In a particular aspect, the conditions may comprise the use of 250 mM KCl, 75 mM NH_4Cl , 25 mM $MgCl_2$, 6 mM 2-mercaptoethanol in 0.1 M potassium cacodylate or 0.1 M MES (2-N-morpholinoethanesulfonic acid) at pH 6.5 with 13-17% MPD as the precipitant.

[0040] The crystals may be grown by any suitable method known as such to those of skill in the art. Suitably, the crystals may be grown over a period of 4-8 weeks at about 4°C. The structure of the crystals so obtained may be resolved, and crystals which resolve to a resolution of at least 3Å selected. Crystals which resolve to a resolution of at least 3Å obtainable by such a method are a further aspect of the invention.

Use of structure of Table 1.

25 [0041] The determination of the three-dimensional structure of 30S provides a basis for the design of new and specific ligands for 30S. For example, knowing the three-dimensional structure of 30S, computer modelling programs may be used to design different molecules expected to interact with possible or confirmed active sites, such as binding sites or other structural or functional features of 30S.

30 [0042] The high resolution model of the 30S provided by Table 1 may be used to examine and determine the binding of antibiotics known to target this ribosome subunit. Such antibiotics include paromomycin, streptomycin, spectinomycin, tetracycline, pactamycin and hygromycin B.

[0043] A candidate ligand, particular one which acts as an inhibitor molecule may be any available compound. A number of commercial sources of libraries of compound structures are available, for example the Cambridge Structural Database.

35 Such libraries may be used to allow computer-based high throughput screening of many compounds in order to identify those with potential to interact with the active site of a ribosome.

[0044] More specifically, a potential ligand capable of modulating 30S activity can be examined through the use of computer modelling using a docking program such as GRAM, DOCK, or AUTODOCK (see Walters et al., *Drug Discovery Today*, Vol.3, No.4, (1998), 160-178, and Dunbrack et al., *Folding and Design*, 2, (1997), 27-42) to identify potential ligands of 30S. This procedure can include computer fitting of potential ligands to 30S or a subdomain thereof to ascertain how well the shape and the chemical structure of the potential ligand will bind to the enzyme.

40 [0045] Also computer-assisted, manual examination of the active site structure of 30S may be performed. The use of programs such as GRID (Goodford, *J. Med. Chem.*, 28, (1985), 849-857) - a program that determines probable interaction sites between molecules with various functional groups and the enzyme surface - may also be used to analyse the active site to predict partial structures of ligands for the site.

45 [0046] Computer programs can be employed to estimate the attraction, repulsion, and steric hindrance of the two binding partners (e.g. the 30S and a potential ligand). Generally the tighter the fit, the fewer the steric hindrances, and the greater the attractive forces, the more potent the potential ligand since these properties are consistent with a tighter binding constant. Furthermore, the more specificity in the design of a potential ligand, the more likely it is that the ligand will not interact with other proteins as well. This will tend to minimise potential side-effects due to unwanted interactions with other proteins.

50 [0047] Having designed or selected possible binding ligands, these can then be screened for activity. Consequently, the method preferably further comprises the further steps of:

55 obtaining or synthesising the potential ligand; and
contacting the potential ligand with 30S to determine the ability of the potential ligand to interact with 30S.

[0048] More preferably, in latter step the potential ligand is contacted with 30S under conditions to determine its

function, for example in a cell free translation system.

[0049] Instead of, or in addition to, performing such an assay, the method may comprise the further steps of:

- 5 obtaining or synthesising said potential ligand;
- forming a complex of 30S and said potential ligand; and
- analysing said complex by X-ray crystallography to determine the ability of said potential ligand to interact with 30S. Detailed structural information can then be obtained about the binding of the potential ligand to 30S, and in the light of this information adjustments can be made to the structure or functionality of the potential ligand, e.g. to improve binding to the active site. Steps c. to e. may be repeated and re-repeated as necessary.

[0050] Another aspect of the invention includes a compound which is identified as an ligand of 30S by the method of the above aspects of the invention.

[0051] The present high resolution structure of 30S provides a means to determine the location of binding of antibiotics, as well as the interactions at the location between 30S and the antibiotic. Such antibiotics include paromomycin, streptomycin spectinomycin, tetracycline, pactamycin and hygromycin B. The high structure of Table 1 may be used to model the binding to 30S of these, other antibiotics and other ligands. Thus in another aspect, the invention provides a method of analysing a 30S-ligand (wherein "ligand" includes an antibiotic) complex comprising the steps of (i) co-crystallising the 30S with the ligand or soaking the ligand into crystals of the 30S; (ii) collecting X-ray crystallographic diffraction data from the crystals of the 30S-ligand complex and (iii) using the three-dimensional structure of 30S of Table 1, or at least one sub-domain thereof, to generate a difference Fourier electron density map of the 30S-ligand; and (iv) modelling the ligand in the difference Fourier electron density.

[0052] Therefore, 30S-ligand complexes can be crystallised and analysed using X-ray diffraction methods, e.g. according to the approach described by Greer et al., *J. of Medicinal Chemistry*, Vol. 37; (1994), 1035-1054, and difference Fourier electron density maps can be calculated based on X-ray diffraction patterns of soaked or co-crystallised 30S and the solved structure of uncomplexed 30S. These maps can then be used to determine the structure of the ligand bound to the 30S and/or changes the conformation of 30S.

[0053] Data obtained from a ligand bound to 30S may be used to improve the ligand, for example by adding or removing functional groups, substituting groups or altering its shape to obtain improved candidates, which may then be screened, solved in complex as described herein above, in an iterative process.

[0054] Electron density maps can be calculated using programs such as those from the CCP4 computing package (Collaborative Computational Project 4. The CCP4 Suite: Programs for Protein Crystallography, *Acta Crystallographica*, D50, (1994), 760-763.). For map visualisation and model building programs such as "O" (Jones et al., *Acta Crystallography*, A47, (1991), 110-119) can be used.

[0055] By providing such computer readable media, the atomic coordinate data can be routinely accessed to model 30S or a sub-domain thereof. For example, RASMOL is a publicly available computer software package which allows access and analysis of atomic coordinate data for structure determination and/or rational drug design.

[0056] On the other hand, structure factor data, which are derivable from atomic coordinate data (see e.g. Blundell et al., in *Protein Crystallography*, Academic Press, New York, London and San Francisco, (1976)), are particularly useful for calculating e.g. difference Fourier electron density maps.

[0057] In another aspect, the present invention provides systems, particularly a computer systems, intended to generate structures and/or perform rational drug design for 30S or 30S ligand complexes, the systems containing either (a) atomic coordinate data according to Table 1, said data defining the three-dimensional structure of 30S or at least one sub-domain thereof, or (b) structure factor data for 30S, said structure factor data being derivable from the atomic coordinate data of Table 1.

[0058] Mutant strains resistant to the action of these antibiotics can arise through mutation of a protein subunit of the 30S or through mutation or modification in the 16S RNA (e.g. 2'O-methylation), or modification (e.g. acetylation) of the antibiotic. The sites of mutations in some cases are known or can be identified. Where such sites are identified through, for example, primary sequence data, the invention provides a means to model the structure of the mutants.

[0059] There is thus provided a method which comprises providing the structure of the 30S ribosome of Table 1, changing one amino acid or nucleotide of said structure to provide a mutant 30S, and modelling the structure of the mutant 30S to provide a structure of the mutant. The mutant may be used in the manner described above for the wild type, e.g. stored in computer readable form, modelled to provide ligands, and the like. The modelling may be based upon the predicted behaviour of the atoms of the changed amino acid based upon its interaction with the surrounding atoms in the model provided herein.

[0060] This process may be iterative, e.g. to produce successive mutations into the 30S structure, for example 2, 3, 4, or 5 to 10 mutations.

[0061] Regions of 30S which may be subject to this aspect of the invention include those regions identified in the accompanying examples as regions of the 30S involved in ribosome function.

[0062] In a further aspect, the present invention provides a means to solve or interpret electron density maps of the whole 70S ribosome at low or high resolution, and thus solve the structure of the whole 70S ribosome.

[0063] In particular, the invention provides a method for the determination of the structure of a bacterial 70S ribosome which method comprises

- (a) crystallising the 70S of said species to obtain a crystal;
- (b) performing X-ray crystallography on said crystal to obtain X-ray diffraction data;
- (c) providing the structure data of Table 1; and
- (d) using molecular replacement to calculate an electron density map of the 70S.

[0064] The invention is illustrated below by the following examples, their accompanying Figures and Tables. In Table 1 there is shown in each row Atom number, element type, residue (amino acid, nucleotide, etc), number in molecule (for proteins N to C terminal direction, for nucleic acid 5' to 3' direction), X, Y and Z co-ordinates, occupancy, B factor (\AA^2) and an identifier for the member of the 30S (e.g. for the subunits in the format "ASn" where A is an arbitrary letter, different for each member, S is the subunit and n is the subunit number; and for the 16S as "A16S").

[0065] Throughout the accompanying example, we use the numbering system for *E. coli* 16S RNA, as well as the standard helix numbering, denoted H1-H45, for the secondary structure elements [19] with some modifications as shown in Figure 1. The most significant differences between the *E. coli* and *T. thermophilus* sequences are a shorter H6 and H10, and insertions in H9 and H33a. Any insertions in *T. thermophilus* relative to *E. coli* are indicated in the coordinates with an insertion letter after the nucleotide number, following the practice for tRNA.

MATERIALS AND METHODS

Crystallization of the 30S.

[0066] Because we observed that the 30S crystals completely lacked ribosomal protein S1, care was taken to remove S1 selectively from the 30S prior to crystallization. Crystals were obtained in 13-17% MPD over a range of pH in the salt and magnesium conditions described by Trakhanov et al [3]. The crystals were largest and most reproducibly obtained at a pH of 6.5 in 0.1 M cacodylate or MES buffer. Crystals took approximately 6 weeks at 4°C to grow to their maximum size. The largest crystals, which were required for high resolution data collection, grew to a size of 80-100 \square 80-100 \square 200-300 microns. The activity of redissolved crystals in poly(U)-directed protein synthesis was comparable to that of freshly isolated 30S subunits.

Data collection.

[0067] Crystals were transferred to 26% MPD by vapor diffusion in two steps over a period of 6 days. All crystals (except for those soaked in osmium hexammine or osmium pentammine) also contained 1 mM cobalt hexammine in the cryoprotectant. Crystals were flash-cooled by plunging into liquid nitrogen, and data collection was done in a cryostream at 90-100 K.

[0068] A large fraction of crystals was screened at beamlines 9.6 or 14.1 at the SRS at Daresbury Laboratories, using two short exposures at least 40 degrees apart. These crystals were then analyzed for diffraction limits, cell dimensions and mosaic spread. Only crystals of similar cell dimensions and with reasonable mosaic spread were used for data collection.

[0069] Potential derivatives were screened on beamlines X25 at the NSLS at Brookhaven National Laboratory and BM-14 at the ESRF (Grenoble). Data to about 4.5 \AA were obtained from X25. High resolution data were collected at SBC ID-19 at the APS in Argonne National Laboratory, and ID14-4 at the ESRF. In all cases, derivative data were collected at the peak of the fluorescence at the LIII edge to maximize anomalous differences. At X25 and SBC ID-19, the kappa goniostat was used to rotate precisely about a mirror plane so that small anomalous differences could be measured accurately. Each crystal typically yielded 3-10 degrees of data. Data were integrated and scaled using HKL-2000 [10].

Structure determination.

[0070] Previously determined phases at 5.5 \AA [9] were used to locate heavy atom sites using anomalous difference Fourier maps. Initially, these sites were used for phasing to 3.35 \AA using the program SOLVE [11], followed by density modification with SOLOMON [12], using the procedure implemented in SHARP [13]. Optimization of the various parameters in the procedure was required to obtain interpretable maps. The RNA and some of the proteins were built using the SOLVE maps. The sequence of *Thermus thermophilus* 16S RNA [14] was used for the structure. For proteins,

a combination of previously published sequences and new ones from the Göttingen *Thermus* genome sequencing project were used. Improved maps were obtained by calculating experimental phases to 3.2Å using SHARP followed by density modification and phase extension to 3.05Å with DM [15]. The improved maps allowed us to build all the ordered parts of the structure. The model was built using O [16], and refined using the program CNS [17]. Maximum likelihood refinement was used, initially with both amplitudes and experimental phase probability distributions to 3.35Å, and subsequently with amplitudes to 3.05Å.

RESULTS

[0071] The 30S subunit from *Thermus thermophilus* consists of a 1522 nucleotide 16S ribosomal RNA [14] and 21 associated proteins, of which 20 have known counterparts in *E. coli*. Protein S21 is not present in *Thermus*, and protein S1 has been removed from the 30S prior to our crystallization. In addition, a 26 residue peptide, Thx, is present in *Thermus* 30S subunits [18].

[0072] Experimentally phased maps clearly showed main chain density for RNA and protein, individual bases (which were often of sufficient quality to distinguish purines from pyrimidines), and large well-ordered side chains of proteins. These maps were used to build 16S RNA and the previously unknown proteins S2, S3, S9, S10, S11, S12, S13, S14 and Thx. In addition, regions that were disordered in isolated structures or had changed significantly were also built. This often consisted of significant portions of the N- and C-terminal tails of the proteins, sometimes including entire domains that were unfolded in isolation. Proteins with small cores and long loops, such as S16 and S17, had to be substantially rebuilt, since these loops were generally disordered in the solution NMR structures. Finally, the entire structure was rebuilt after an initial round of refinement. Our current model consists of nucleotides 5-1511 of *Thermus thermophilus* 16S RNA (corresponding to 5-1534 of *E. coli* 16S RNA) and all of the ordered regions of the associated 20 proteins. The current model has been refined against 3.05 Å data with a conventional R-factor of 0.213, a free R-factor of 0.256 and good geometry. For the proteins, 94% of the residues were in the core or allowed regions of the Ramachandran plot, 3.9% in the generously allowed region and 1.8% in the disallowed region.

16S RNA

[0073] The secondary structure of 16S ribosomal RNA contains forty-five double helices connected by short single-stranded segments. In the crystal structure, many of these helices are coaxially stacked with a helix neighboring in the sequence. There are 13 groups of coaxially stacked helices and 23 unstacked helices in 16S rRNA, for a total of 36 helical elements. There are three different types of helix-helix packing. Most of the helical elements are packed in a minor groove to minor groove fashion, which often requires distortions from canonical A-form helical geometry in one of the two helices. Adenosines from internal loops or from hairpin loops often mediate docking against an A-form double helix, with a dense network of base-2' OH and 2' OH - 2' OH hydrogen bonds stabilising the packing. Less often, helix-helix packing occurs in a different mode, by insertion of a ridge of phosphates into a complementary minor groove of another helix. This packing mode is stabilized by hydrogen bonds between the ridge of phosphate oxygens and a layer of 2' OH and guanine base NH₂ groups. These guanine N2 groups are often made more accessible by the geometry of G-U pairs, which places this moiety farther into the minor groove than do Watson-Crick pairs. Finally, the rare end-on mode of interhelical packing uses a purine base to mediate the perpendicular packing of one helix against the minor groove of another helix. All three modes of helix-helix packing are further stabilized by idiosyncratic interactions between double-helical RNA and short non-helical RNA segments. Small bulges of one to three nucleotides are often found to pack either between helices or in the major groove of a helix.

The 5' domain (*fpd*).

[0074] The *fpd* of 16S RNA contains 19 double helices, arranged as 7 groups of coaxially stacked helices and 5 unstacked helices, for a total of 12 double-helical elements packed tightly together. The result is a wedge-shaped mass of RNA that tapers to a single layer of double helices near the top of the domain. Like the other domains, the *fpd* is rather longer along the subunit interface than in the perpendicular direction.

[0075] The *fpd* can be divided into three subdomains, roughly corresponding to the upper, lower, and middle thirds of the secondary structure of the *fpd*. These subdomains make up the top and left-hand, the middle, and the lower right-hand sides of the body, respectively, in the view from 50S. The upper subdomain is a nearly planar arrangement of four helical elements (H16/H17, H4/H15, H1/H3, and H18). The H16/H17 stack forms the left-hand border of the body as viewed from 50S. This stack is almost 120 Å long, with H16 making contact with the head and H17 reaching the bottom of the subunit. Internal loops in both helices contain S-turns, which are used to modulate the position of the phosphate backbone in the case of H17, or to create an extended minor groove surface for helix-helix docking in the case of H16. The H4/H15 stack points towards the bottom of the subunit, with H15 well-packed against H17. The H1/H3

stack is bent by the conserved bulge at position 31, which results in the proximal end being horizontal and the terminal end pointing up to the head. The fourth helical element is H18, which is sharply bent to accommodate the 530 pseudoknot, defined by the unstacked helices 505-507/524-526 (H18.2) and 521-522/527-528 (H18.1). H18 is well-packed between the other two upwards-pointing elements of the upper subdomain, H1/H3 and H16. The 530 pseudoknot packs against the central pseudoknot at the H18.1 - H1 interface.

[0076] The middle subdomain contains four helical elements (H5, H6, H12/H6A, and H13/H14) that form a layer between the upper and lower subdomains in the centre of the body. There are relatively few packing interactions within the subdomain, and several of its helices pack against the upper subdomain on one side and the lower subdomain on the other. Thus at the bottom of the subunit, the conserved root of H6 packs against H8 (lower subdomain) on one side and H15 (upper subdomain) on the other side. Similarly, the H12/H6A stack packs against H4 (upper subdomain) and H7 (lower subdomain). H12/H6A also packs against H5 and the 117 loop, which pack against elements from the upper and lower subdomains, respectively. H5 is well-packed against H15 and the 117 loop stacks with the root of H11. H5 also packs against the H13/H14 stack in the phosphate ridge-minor groove manner. H13/H14 interacts with two different regions of the lower subdomain. The conserved UACG hairpin loop at the end of H14 packs against the 160 GAAA hairpin from H8 while the large conserved hairpin at the end of H13 interacts with H7. This hairpin loop also makes many interactions with elements from the middle subdomain.

[0077] The lower subdomain is a collection of three helical elements that form an open saddle-shaped structure in the lower right-hand corner of the body. The H8/H9 stack stretches from the back of the subunit to the front, with the conserved 160 GAAA hairpin pointing toward the 50S subunit. It packs tightly against the H7/H10 stack at the 4-way junction that joins them, and again at a Thermus-specific interaction between insertions at nucleotides 190 and 129. The H7/H10 stack also makes weak interactions with H15 and H17 from the upper subdomain at the bottom of the subunit. H11 contains two sharp bends that allow its conserved terminal hairpin loop to pack against H7. Both bends are stabilized by short-range minor-groove to minor-groove packing contacts.

The central domain (cd).

[0078] The cd is the RNA component of the platform. Its fold based on our previous 5.5 Å structure [9] is in excellent agreement with our current structure. It contains nine helical elements folded into a W-shape in the 50S view. Two long single-stranded segments of RNA, the 570 and 820 loops, are also important structural elements. The domain is dominated by the long stack of H21/H22/H23, which forms the U-shaped perimeter of the domain. H21 is the only component of the left-hand arm of the W, while H22 and H23 form the base of the right-hand side. The right-hand arm of the W consists of H23B and H24A whose conserved hairpin loops are tightly packed. This arrangement requires sharp bends between H23 and H23B, and between H24 and H24A. The H23/H23B bend is stabilized by short-range minor groove-minor groove packing interactions. The H24/H24A bend is more unusual in that the bend is towards the major groove, which places a ridge of H24A phosphates in the major groove of H24. This major-groove bend is stabilized partly by short-range base-base and base-backbone interactions in the major groove of the bend, and partly by long-range interactions between the bent H24/H24A minor groove and the minor groove of H23. The heart of the central domain is the thicker middle arm of the W, which contains six helical elements (H20, H19/H25, H24, H26/H26A, H27, and H23B) and the 570 and 820 loops. On the left-hand side of the arm, the H26/H26A stack packs tightly against H22, the base of H25, and the 570 loop. The H25/H19 stack packs well with H20 and with the 570 loop. On the right-hand side of the central arm of the W, H23A packs well with H22, the 820 loop stacks on H24, and H24 packs well with the conserved GCAA hairpin loop of H27. In the centre of the arm, H23A packs with H26 in the phosphate ridge-minor groove manner, and the conserved H23A GAAG hairpin loop packs against H20. The 820 loop also interacts with H20, H25, and the 570 loop.

The 3' major domain (tmd).

[0079] The 3' major domain (tmd) is the RNA component of the head of the 30S subunit. From the 50S view, the left-hand side of the head tapers to a beak made of RNA on the 50S side and protein on the solvent side. Like the other domains, the tmd is relatively thin in the direction perpendicular to the intersubunit interface. The tmd consists of fifteen helical elements, most of which do not stack on a neighboring helix, in contrast to the extensive stacking of neighboring helices seen in the fpd and the central domain. The tmd can be divided into three subdomains, which correspond to the upper, middle, and lower portions of the tmd secondary structure. The upper subdomain is an extended structure in the part of the head farthest from the 50S subunit, and makes relatively few packing contacts with RNA from the other head subdomains. The lower and middle subdomains are more globular and are more intimately packed together, and make up the front-right and front-left portions of the head, respectively. The middle subdomain includes the RNA portion of the beak.

[0080] The upper subdomain contains three helical elements that make up a well-separated structure on the solvent

side of the head. The subdomain is dominated by the H35-H36-H38-H39 stack, which stretches from the top to the bottom of the head. The other two helical elements of this subdomain are H37 and H40, which pack well with each other and loosely with the H35-H36-H38-H39 stack. The H37-H40 pack is mediated by a semiconserved GAAA hp in H40 with adjacent G-C pairs in H37.

5 [0081] The smaller middle subdomain is extended and contains only four helical elements, H32, H33/H33A, H33B and H34. Two of these (H33/H33A and H33B) form the Y-shaped RNA component of the beak. The H33/H33A stack points to the left in the 50S view while H33B points to the right, with its terminal conserved GNRA hairpin loop packed against H32, the covalent connection between the beak and the lower subdomain. H32 in turn packs against the H33-H34 junction as well as the 980 loop in the lower subdomain. With the exception of a small packing interaction 10 with H32, the irregular H34 makes only long-range and somewhat tenuous packing interactions. The first is with H31 in the lower subdomain, an unusually weak minor-groove to minor groove packing. The second interaction is an unusual end-on packing interaction with the minor groove of the H34/H35/H38 junction in the upper subdomain.

[0082] The lower subdomain contains almost half of the tpd RNA and contains seven helical elements (H28/H29, H30, H31/980 loop, H41, H41A, H42 and H43) intimately packed into a globular mass. Helices 42 and 43 are arranged 15 in an approximately parallel fashion at the centre of the fold, and each interacts with at least three of the other helical elements. Helices 42 and 43 dock together by means of a minor-groove to minor-groove packing of their conserved hairpin loops. On the solvent side of the H42/H43 pair, H41 packs with both H42 and H43, while the terminal GCAA hairpin loop of H41A packs against H42. This arrangement requires a sharp bend between H41 and H41A, whose minor grooves pack against each other at the bend. The H43-H41 pack is made more extensive by an underwound 20 A-rich internal loop in H41. On the 50S side of the central H42/H43 pair are H29, H30, H31 and the 980 loop. H43 is well-packed with H29 and makes weaker interactions with H30 and the 980 loop, while H42 is well-packed with H30 and the 980 loop. The H42-H30 pack is mediated by successive conserved G-A pairs at the base of H42. The H43-H29 pack is mediated by a conserved S-turn at the base of H43. An S-turn also mediates the packing of H42 with H41. H31 is a peripheral element of the subdomain, packing well only with H30, but also packs with H34 from the middle sub- 25 domain.

The 3' minor domain.

30 [0083] The 3' minor domain consists of just two helices at the subunit interface. H44 is the longest single helix in the subunit, and stretches from the bottom of the head to the bottom of the body. It projects prominently from the body for interaction with the 50S subunit. H45 is approximately perpendicular to H44, with its conserved GGAA hairpin loop packed against H44 and available for interaction with the large subunit.

PROTEINS IN THE 30S AND THEIR INTERACTION WITH 16S RRNA

35 [0084] The current structure includes all of the 30S proteins except S1. The proteins generally consist of one or more folded domains, about half of which were known from previous work on isolated proteins. However, nearly all of the proteins contain extended termini or loops which interact intimately with RNA and were disordered in the isolated structures. Although most of the proteins form intimate contacts with ribosomal RNA, there are also protein-protein 40 interactions such as those seen in the S4-S5-S8 and S3-S10-S14 clusters.

Proteins in the central domain (S18, S11, S8, S15).

45 [0085] S18: S18 in the 30S consists of residues 19-88. It consists of two helices, and a third helical element formed by two short turns from different parts of the structure that stack end-to-end. These helices together form a hydrophobic core. The C-terminus interacts with S11.

[0086] S11: S11 is a new structure and consists of two helices packed against a sheet, a type of fold seen in many ribosomal proteins. The sheet packs against the minor groove of the 690 loop (H23), and has a C-terminal extension that interacts with the C-terminal extension of S18 and also with the 790 loop (H24). Thus S11 stabilizes folding of the 50 platform, by binding to both H23 and H24 near the tip of the platform.

[0087] S8: S8 binds near the H20/H21/H22 three-way junction and makes extensive interactions with H21 and H25. We now have molecular details of these interactions. In particular, two loops from S8 (87-92 and 112-118) wrap around the bulged bases 641-642 which were known to be required for high affinity binding of S8 [20, 21]. The N-terminus of the protein also packs against the minor groove of the 825 stem (H25), thus helping the folding of the central domain. 55 Residues K55 on S8 and 653 on RNA are next to each other as would be expected from crosslinking [22]. The extension in Thermus S8 of the loop 69-76 packs against S2 from a symmetry related molecule.

[0088] S15: S15 binds between H20 and H22 near the three-way junction.

The 5' domain binding proteins S17, S16 and S20.

[0089] S17: Although originally thought to be exclusively a 5' domain binding protein, S17 also binds near the H20/H21/H22 three-way junction. The core of S17 is known from NMR to be a β -barrel with an OB fold, with long extended loops [23]. These loops are disordered in solution but bind RNA in the 30S. In Thermus, there is a long C-terminal extension to S17 that is organized as an RNA-binding helix. The core of the protein and the C-terminal helix make extensive contacts with H11 and also contact H7. The C-terminal helix also contacts H21 in the central domain. Two long loops, loop 1 (26-36) and loop 2 (60-71) are ordered and interact with disparate domains of RNA exactly as predicted. Loop 1, which contains the site of neamine resistance, is inserted between H21 and a highly irregular structure at the base of H11. The very tip of loop 1 also touches the 560 loop of 16S RNA. Loop 2, which contains the site of a mutant defective in assembly, is involved in stitching together H7 and H11. Thus S17 interacts with H7, H11 and the 560 loop in the 5' domain, and H21 in the central domain.

[0090] S16: For a small protein, S16 has an extensive footprint throughout the 5' domain. All of the residues (1-88) are visible in the electron density, and were rebuilt using an NMR structure [24] as a guide. The protein consists of an N-terminal sheet with two extended loops, and two short helices in the C-terminal end. All of the extensive contacts with 16S RNA are now clear. The β -sheet is packed between the 608/620 internal loop of H21 on one side and a minor groove of H4 on the other. The two loops that extend out from this sheet both interact with RNA. Loop 1 interacts with phosphates in major groove of H4, while residues 39-43 in loop 2 make contact with the phosphate backbone around the internal loop near 453 in H17. The first helix (53-61) also extends across the major groove of this internal loop, while the C-terminal end of the second helix along with the turn leading out of it point into a minor groove of H17. There is also interaction with the 110 loop of the 5' domain. Finally, the extended C-terminus lies across the minor groove at the tip of H17.

[0091] S20: The current high resolution structure of S20 shows that the long N-terminal helix contacts the base of H6 and the tip of helix 44, and many conserved basic residues make salt-bridges with phosphates. Helices 2 and 3 of S20 interact with the minor groove of H9, and helix 3 also interacts with tip of H11 (263). Finally the extreme C-terminus of the protein is extended and lies along the minor groove of H9, which is longer in Thermus by 11 nucleotides. Thus S20 brings together several helices near the bottom of the subunit.

Proteins near the functional centre.

[0092] S4, S5 and S12 are clustered near the "functional center" of the ribosome and contain the sites of several important mutations.

[0093] S4: In the structure of isolated S4 [25, 26] the N-terminal domain was cleaved off prior to crystallization. This N-terminal region is organized as a tightly folded domain with a metal ion (presumably zinc) that is coordinated by four cysteines. The domain is packed against the body of the protein. While the N-terminus of S4 is highly conserved, the cysteines themselves are not. It is therefore likely that the addition of a "zinc finger" is for additional stability rather than essential for the fold. The linker residues 46-52 connect the N-terminal domain with the rest of the protein. All domains of S4 make intimate contacts with RNA. In particular, S4 makes extensive contacts with a five-way junction where H3, H4, H16, H17 and H18 come together in the 5' domain.

[0094] The N-terminal domain is packed against the 420 stem-loop (H16). The largely helical domain I is packed against a complicated region of RNA where H3 and the 507 bulge at the base of H18 come together. The remaining domain of S4 makes extensive contact with the minor groove of the base of H16. In addition, it also makes contact with the tip of the H21, which is itself packed against H4. This position is consistent with the large body of biochemical data on S4 binding to 16S RNA.

[0095] The C-terminus of S4 makes an extensive interface with S5. Most of the known mutations of S4 and S5 that confer the ram phenotype are located in this region [27, 28]. The interface consists of several highly conserved salt bridges, and some of the mutations break one or more of these interactions.

[0096] S5: The structure of S5 shows that the loop from residues 14-28 is folded back onto the body of the protein in the isolated structure, but is a fully extended β -hairpin in the 30S. Also, the C-terminus of S5, which is disordered in the isolated structure, is mainly helical and packs against a complicated surface of S8 formed by many different strands.

[0097] S5 interacts closely with a region of the ribosome where the head and the body come together. In the head, the extended H35/H36 helix packs against H28, which forms the neck of the 30S connecting the body with the head. The tip of H36 makes contact with H26a, H2 and the central pseudoknot in the body. Protein S5 has contacts throughout this region, thereby stabilizing the conformation of the head with respect to the body.

[0098] The C-terminal sheet of S5 makes extensive interactions with the major groove of the H1 and the central pseudoknot. The N-terminal domain binds to the major groove of H36, as does the base of the β -hairpin. The tip of the hairpin interacts with the phosphate backbone in H28 and is also very close to H34. Nucleotide 560 is very close to

K121 in agreement with crosslinking data.

[0099] Most of the extensive interactions with RNA occur via major grooves or phosphate backbone.

[0100] S12: S12 is unusual both for its structure and location. It is unique among the 30S proteins in being on the interface side of the subunit. Its central core consists of a β -barrel with an OB fold, a feature found in other proteins such as S17. This core binds together H18, the 530 stem loop (at the tip of H18), H3 and a part of H44 close to the decoding site. An unusual feature is a long extension that connects this core with a short helix at the N-terminus of the protein. This extension threads between the 560 loop and H12 on one side, and H11 on the other, to make contact with both S8 and S17 on the other side of the 30S.

[0101] S12 is also the only protein in the vicinity of the decoding site near 1492-1493 of RNA. It is the site of a number of functionally interesting mutations.

The head proteins S7 and S9.

[0102] S7: Protein S7, whose structure in isolation was previously known, is known to be crucial for the assembly of the head [29]. In our 30S structure, the entire sequence is visible, including the very basic N-terminus. S7 binds to a small but complex region of the tpd that encompasses two multiple-stem junctions at a corner of the head. The majority of the interaction surface consists of H29 tightly docked to the S-turn at the base of H43. This docking requires a tight turn at 1346, probably stabilized by S7 binding. Because S7 also makes interactions with H28, its primary surface of interaction encompasses all three of the helices around the H28/H29/H43 three-way junction. The very tight docking of H29 to H43 gives rise to a small region of very high negative charge density, which is bound by a surface of S7 with very high concentration of positive charge (mainly S7 helices 1 and 4).

[0103] The second important interaction surface is centred on the second multiple stem junction that S7 binds, the H29/H30/H41/H42 junction. In this junction, H30 and the base of H42 are tightly packed together, with a tight turn between them. An S-turn between helices 41 and 42 mediates packing of H41 and H42, which also have a tight turn between them. H41 also packs very tightly against H43. S7 makes contacts to the phosphate backbone of H41, stabilizing its packing with H43, and to residues around 1240 and 1298 where the tight bends occur in the H29/H30/H41/H42 junction. Contacts with U1240 are particularly intimate: the universally conserved bulge U1240 is deeply buried into a conserved hydrophobic pocket between the 35 and 115 loops of S7.

[0104] The β -hairpin is not tightly associated with 16S RNA, but probably fits tightly into the minor groove of the E-site tRNA. The structure is in rough agreement with a model of S7 binding to ribosomal RNA [30], but there are also significant differences, including the location of H43.

[0105] S9: S9 consists of a compact RNA-binding domain consisting of 2 helices packed against a 5-stranded sheet, with a third short helix at the C-terminal end of the domain. From this domain, there is a long 25 residue C-terminal tail that snakes into elements of the head RNA. S9 also interacts with S7 via a small hydrophobic patch.

[0106] The sheet of S9 makes extensive interactions with H38 and H39. It also has two loops that interact with the 1250 internal loop of H41. The short C-terminal helix interacts with 1177-1180 in H40.

[0107] The long C-terminal extension snakes between the H29-H43 junction on one side and the H38-H34 junction on the other to touch a portion of H31.

The S3 S10 S14 cluster.

[0108] These three proteins form a cluster on the rear left-hand of the head, as the protein portion of the beak. S3 is clearly stacked on top of the other two proteins, consistent with the order of assembly.

[0109] S14: S14 is bound in a crevice in the RNA and is mostly covered by S3 and S10. Almost the whole molecule contacts RNA, including helices H31, H32, H34, H38, and H43. A cross linked residue is in close proximity to the RNA 28.

[0110] S14 contains a zinc ion coordinated by four cysteines from a CXXC-X12-CXXC motif. This motif is structurally similar to that found in the first zinc finger in the glucocorticoid receptor. This zinc binding motif is not conserved among all bacteria, although many of the residues surrounding it are, suggesting perhaps that in other organisms, the protein folds via a hydrophobic core.

[0111] S10: S10 is structurally very similar to the S6 fold, with two helices packed against a 4-stranded sheet. Two of the strands in this sheet are connected by a long β -hairpin that extends out from the sheet and is inserted right into the centre of the head RNA fold. The β -hairpin makes most of the contacts with RNA, including helices H31, H34 and H41. The two strands of the sheet pack into the shallow minor groove of H39, making contacts with backbone residues on both sides of the groove.

[0112] S3: S3 contains two domains, both consisting of two helices packed against a 4-stranded sheet, which is similar to several other ribosomal proteins. In addition to the domains there is an N-terminal tail (all of which is visible). The C-terminal 30 residues are poorly conserved and disordered in the structure.

[0113] RNA contact is made by the N-terminal tail and the C-terminal domain. The N-terminal tail fits into a major

groove of H34. The sheet in the C-terminal domain also packs against H34.

[0114] The N-terminal domain makes few if any contacts with the RNA, but is mainly involved with making protein contacts with S10 and S14.

5 S13 and S19.

[0115] S13 and S19 form a loose dimer at the very "top" of the interface side of the head, extending both above and closer to the 50S than any of the head RNA. In spite of their location in this flexible region, they are both relatively well-defined in the electron density. Except for the C-terminal tail of S13, which reaches into the head and almost touches the tail of S9, none of these proteins are in contact with any other of the proteins in the small subunit. Together with S12, S11 and S15, these are among the few proteins that surround the region of intersubunit contact.

[0116] S13: All 125 residues of S13 are visible in the structure. The N-terminus (about 60 residues) forms a compact domain consisting of three small helices. Of this domain, only a small loop is in contact with the RNA and the domain appears to be clinging to the subunit only by virtue of its highly extended C-terminal region. This region begins with a long, straight alpha-helix that creeps along the top of the 30S head towards S19. It interacts mainly with the 1300 loop and H42. At this point the polypeptide chain bends by about 90 degrees, and the rest of the protein is mostly lacking in any secondary structure. This extended region curves around H41 into the head where it is buried in the RNA about 50-60 Å from the globular, N-terminal domain. It contacts H30 in the head.

[0117] S19: S19 consists of 92 residues. An NMR structure of isolated S19 [31] showed a single globular domain consisting of a helix packed against a three-stranded sheet, in which residues 9-78 were ordered. In the 30S structure, residues 2-81 are visible in the electron density. The C-terminus of the protein points towards the interface side and may become ordered in the 70S complex. Like S13, most of the globular domain of S19 is well separated from the RNA, but here both the N- and C-terminal extensions to the globular domain, as well as the loops 68-73 and 34-39 make contacts with H42. The C-terminal extension, like S13, bends around the RNA, to contact H31 while the N-terminus reaches H42 some considerable distance away. Thus, S19 straddles a portion of the head of the 30S. The residues in S13 and S19 that were crosslinked 48 are adjacent to each other in the structure.

S2.

[0118] Thermus S2 consists of 256 residues of which 7-235 are visible in our structure. The protein consists of a large central domain of about 200 residues that consists of a 5-stranded parallel sheet and four helices connecting them. Two helices that form a small coiled-coil motif protrude out of this domain. The protein is located on the back of the 30S at the interface between the head and the rest of the particle. While it is primarily regarded as a "head" protein, it also makes contacts with the central domain in our structure.

Thx.

[0119] This small 26 residue peptide was isolated and characterized from Thermus ribosomes [18]. Thx fills a cavity formed by a number of different elements at the very top of the head. Residues 1-24 are visible in the electron density, of which 8-14 form a short helix, flanked by extended ends. It is surrounded by H42, the tip of H41, and the base of H41, while the bottom of the cavity is formed by the major groove of H43. The protein is highly basic, and there are extensive salt-bridges between these residues and phosphates of nearby RNA. Thus Thx stabilizes a number of different RNA elements that come close together near the top of the head.

45 FUNCTIONAL INSIGHTS FROM THE STRUCTURE OF THE 30S RIBOSOMAL SUBUNIT.

[0120] During translation of the genetic code, the 30S ribosomal subunit provides the framework for base-pairing between the anticodon of tRNA and the codon of mRNA, and discriminates between cognate and non-cognate tRNAs to ensure translational fidelity, in a process termed decoding. During translocation, the ribosome must move by precisely one codon relative to mRNA and the bound tRNAs. Both decoding and translocation involve "switches" in which precise conformational changes occur in the ribosome. The atomic resolution structure of the 30S subunit allows us to interpret the environment of the mRNA and tRNA binding sites in molecular terms. In one well-characterized example of a functional switch involved in accuracy, we are also able to determine the spatial arrangement of its elements, thus elucidating its architecture. The structure also suggests other possible switching elements in the 30S, and sheds light on the kinds of movements that might occur.

[0121] The ribosome contains three tRNA binding sites, designated A (aminoacyl), P (peptidyl) and E (exit), after their respective tRNA substrates. Each site is bipartite, located partly on the 30S ribosomal subunit and partly on the 50S subunit. The A- and P-site tRNAs bind with their aminoacyl acceptor ends on the 50S subunit, and with their

anticodon ends base-paired to adjacent mRNA codons on the 30S subunit. The E-site tRNA is bound in a similar orientation but it is not known whether the E-site tRNA is base-paired to the E-site mRNA codon. The 30S subunit also binds mRNA upstream and downstream of the A, P and E codons. During translation, incoming aminoacyl tRNA is delivered to the A-site as a ternary complex with EF-Tu and GTP. Discrimination of cognate from non-cognate tRNAs occurs in the A-site. It is thought that there is also a second "proofreading" discrimination step in the A-site after GTP hydrolysis by EF-Tu, which is needed to discriminate cognate from near-cognate tRNAs. The 30S P-site has a much higher affinity for tRNA, in order to maintain the reading frame.

[0122] There is one well-characterized conformational switch in the 30S subunit, the helix 27 accuracy switch [32]. Genetic and biochemical data support a model in which this switch may be part of a larger-scale conformational change that occurs between initial selection and proofreading of the A-site tRNA, or the switch may play a role in translocation.

[0123] Until recently, there has been a large disparity between the high resolution of the genetic and biochemical data that define the RNA components of the active sites of the 30S subunit, and the relatively low-resolution of the three-dimensional structures of ribosomes available. The present invention addresses this disparity. In combination with previous biochemical and other data, it is now possible to identify the detailed structure of 30S active sites. In addition, by superimposing the tRNA and mRNA coordinates from the known 7.8 Å 70S structure, it is now possible to infer many of the interactions between 30S active sites and tRNA/mRNA ligands.

[0124] With our complete and high resolution structure of the 30S subunit in hand, it is now possible to identify at the residue level the elements of the 30S subunit that interact with the anticodon stem-loop (ASL) of the A, P and E-site tRNAs and associated mRNA.

[0125] Identification of the precise boundaries of the A, P, and E sites in an unbiased fashion in a structure determined in the absence of cognate tRNA ligands would normally be problematic. As it happens, the P-site in the 30S structure is filled with a stem-loop of RNA corresponding to residues 75-95 (in the *E. coli* numbering system) from the end of the "spur" (H6) of a neighbouring molecule. (Henceforth the term "spur" will refer to the symmetry-related spur docked in the P-site, rather than the spur at the bottom of the same subunit). The spur appears to mimic P-site tRNA by a variety of criteria. The extent of the 30S interaction with the anticodon stem-loop (ASL) is in very good agreement with that determined by affinity measurements [33] and by hydroxyl radical footprinting [34]. Secondly, the conformation of the spur stem-loop is distorted in order to more closely resemble the canonical tRNA ASL conformation [35, 36]: a U-A base pair is broken so that the spur hairpin loop can approximate the conformation of a tRNA ASL, complete with a U-turn and stacked anticodon. Another indication that the spur is a mimic of a bound P-site tRNA ASL is that of the twelve hydrogen bonds between 30S and the spur, only one appears to be sequence-specific, in accordance with the lack of sequence conservation in tRNA anticodon stems. Finally, close contacts of the spur with 16S RNA are on the whole consistent with chemical protection data for P-site tRNA [37] and with the 34-C1400 UV-induced crosslink between tRNA and 16S RNA [38] (the analogous residues are stacked in the 30S crystal structure).

[0126] Yet another indication that the spur mimics a P-site tRNA ASL is that its "pseudo-anticodon" is base-paired to a triplet of nucleotides, a mimic of mRNA. A fourth nucleotide is also visible 5' to the pseudo-anticodon, in the E site. These pseudo-codon bases are clearly pyrimidines, and appear to be UCU from the base-pairing geometries, which are U-U, U-C, and U-U since the pseudo-anticodon is UUU. The origin of this "pseudo-message" is unclear, but it probably comes from the 3' end of 16S RNA, which ends with 5' U1542C1543U1544 3'. The last nucleotide of our 16S model is C1533, so that seven disordered nucleotides would span the 25 Å gap between C1533 and U1541, which is clearly stereochemically feasible. Alternatively, it is possible that the 3' end of 16S RNA has been cleaved somewhere between C1533 and U1541 prior to or during crystallization. The presence of functional mimics of mRNA and P-site tRNA also explains why these crystals diffract relatively well: the P-site tRNA makes extensive contacts with both the head and the body of the 30S, thereby helping to lock the particle into a single conformation.

[0127] To ask how well pseudomessage and spur mimic mRNA and the ASL of tRNA, we have used the 7.8 Å resolution structure of the 70S ribosome with bound mRNA and tRNAs [39]. In that structure, two elements of 16S RNA were identified, H27 and H44. To avoid any possible bias in our interpretation of the spur as a mimic, only H27 and H44 were used in the alignment to superimpose the 70S structures onto our 30S structure. Despite the relatively low resolution of the 70S structure used, a least-squares superposition of these two elements had a phosphate r.m.s. d. of only 2.3 Å. When the 70S elements are superimposed in this manner onto our 30S structure, we found that indeed, as expected, the P-site tRNA superimposes well onto the 30S spur, and the 30S pseudo-message corresponds to the P-site codon. In particular, the orientation of the spur stem-loop is very similar to the 70S P-site ASL, and there are no significant clashes between the 70S A- and E-site tRNAs and our 30S subunit when superimposed in this manner. It is clear that the spur and pseudo-message cannot be perfect mimics, however, because the pseudo-anticodon-codon helix consists of three pyrimidine-pyrimidine base pairs, which are about 2 Å narrower than Watson-Crick pairs. Thus it seems likely that the spur and its pseudo-message are good but not perfect mimics of P-site tRNA and P-site codon, respectively, and that the spur mimic model should explain many but perhaps not all features of P-site tRNA binding to the 30S. Moreover, the transformed A- and P-site tRNAs and A-site codon provides a useful landmarks for modeling the extent of the A- and E-sites of the 30S.

The P-site.

[0128] The P-site spur contacts several discrete regions of 16S RNA, most of which have been implicated in P-site binding by biochemical experiments. Two proteins also participate in binding the P-site ASL, a possibly surprising result. Most of the contact surface lies between the minor groove of the spur stem and 16S RNA nucleotides 1338-1341, 1229-1230, and the C-terminal tails of proteins S13 and S9. There are many hydrogen bonds between the minor groove (i.e. the 2' OH and base groups) of spur residues C91, C92, and G78 and the minor groove surface of G1338-A1339. Only one of these hydrogen bonds appears to be sequence-specific (G78 N2 - A1339 N3). A contact from Lys 126 of S9 appears to help stabilize this minor-groove to minor-groove packing interaction. Both 1338 and 1339 have previously been implicated in P-site binding [37]. A second area of contact, nearly continuous with the first, is between the 16S 1229-1230 sugar-phosphate backbone and spur residues G77 and G78. This region of contact is extended by the C-terminal tail of S13, which seems to help glue the spur and the 1229-1230 area together. The other areas of contact are much more tenuous. One interaction is stacking of U82 on C1400, which rationalizes the ASL 34-C1400 uv-induced crosslink [38]. The other is a packing interaction between A790 and spur residues 88-89, with a single hydrogen bond present. A790 is a so-called class III site, that is it is protected by either tRNA or 50S subunits. From the spur interaction, it would thus appear that binding of either the 50S subunit or the P-site ASL stabilizes a contact between A790 N6 and the phosphate of 1498, i.e. a contact between the central and three-prime minor domains. Finally, if the pseudo-codon - pseudo-anticodon helix were a few Å wider, as it would be for a Watson-Crick-paired helix, it would make van der Waals contact with the base of G966. G966 has also previously been implicated as part of the P-site by chemical modification experiments and has also been identified as a one of the few guanines crucial for P-site binding [40].

[0129] The P-site codon is threaded through the major groove of the upper portion of helix 44, in a universally conserved region of 16S RNA. There appears to be a tight turn between nucleotides -1 and +1, that is, between the last E-site and the first P-site codon nucleotides. This tight turn is stabilized by a hydrogen bond to the N1/N2 groups of the conserved residue G926, a residue previously implicated as crucial for P-site binding [40]. Additional hydrogen bonds are seen between the 2'OH of +1 to the phosphate of C1498, and between the phosphate of +2 and the 2' OH of C1498. The phosphate of +2 also stacks on the base of C1498. The phosphate of +3 is within hydrogen-bonding distance of two conserved cytidine N4 groups, from C1402 and C1403. The +3 base also stacks on the sugar of C1400. Finally, it appears likely that there are several magnesium ions that may help stabilize the location of the P-site codon in the major groove of H44.

The E-site.

[0130] The E-site is defined by the environment surrounding the 70S E-site tRNA superimposed onto our 30S structure, as described above. Unlike the A and P-sites, the E-site consists mostly of protein. Proteins S7 and S11 have a small interface that binds the minor groove of the E-site ASL. The highly conserved beta-hairpin of S7 extends this surface nearly to the bottom of the anticodon, and it is possible that the S7 beta-hairpin helps dissociate the E-site codon from the E-site anticodon. The RNA portion of the E-site makes only tenuous interactions with the E-site ASL. 16S nucleotides 1382 and 1383 may interact with residue 34 of the anticodon. The minor-groove surface of the conserved 16S residues 693 and 694 may interact with the minor-groove surface of the 37-39 residues of the E-site ASL.

The A-site.

[0131] The A-site is rather wider and shallower than the P or E sites, perhaps in order to allow rotation of the A-site codon-anticodon helix during or after GTP hydrolysis by EF-Tu. The RNA components of the A-site appear to include portions of the 530 loop, H34 in the head, and residues 1492-1493 from the 3' minor domain, all of which have been previously implicated in A-site binding.

The Helix 27 switch.

[0132] It is clear that many of the elements that make contact with the various tRNA would have to move during translocation. Indeed, the ribosome is known to undergo extensive conformational changes during the elongation cycle, and these must involve breaking and making precise contacts. However, the precise switching elements in these conformational changes are not known in general, with the exception of a switch in H27.

[0133] H27 is proposed to have two alternative base-pairing schemes during translation, one a "ram" or permissive form that pairs 885-887 with 910-912, and an alternative "restrictive" form that pairs 888-890 with 910-912 [32]. The ram form appears to be the more stable form in the ribosome and it features an S-turn (or loop E motif) in H27. The S-turn in H27 is also seen in the tRNA-bound structure of the 70S [39]. A switch to the restrictive form would involve a sliding of the two strands of H27 relative to each other and the S-turn would be replaced by an internal loop with a

different structure for H27. Indeed, analysis of the two forms by cryoelectron microscopy reveal noticeable conformational changes in the ribosome, especially around the A-site [41]. We can now precisely define the structure around H27 and use previous chemical modification data [32] to suggest the kinds of movement involved.

[0134] The S-turn in H27 around 888 is right next to 1489 in H44, and H27 packs against the minor groove of H44 just below the decoding site. The tip of H27 is close to H11, while 885, which is base-paired with 910 in our conformation, is near both H1 and the 570 loop. Finally, 914 is near both H1 and 526 in the 530 loop. Thus H27 is right in the heart of an area which includes the decoding site and the 530 loop. So it is not surprising that a change in the conformation of H27 would have affect these elements.

[0135] A number of elements that are more accessible in the "restrictive" state appear to be protected in the structure of the present invention. Thus for example, 524-528 are currently base-paired with 507-505 in the 530 pseudoknot. This suggests that the 530 pseudoknot could be broken in the restrictive state. Similarly, 1053 and 1197 are base-paired in the current structure, but they are part of a distorted region of H34 analogous to an S-turn, and it is not hard to envisage that an analogous switch might occur in H34 in the alternative state. Thus the data in combination with our structure suggests that H34 in the head and the 530 loop in the shoulder move between the two states, with H34 possibly adopting an alternative form, and the 530 pseudoknot being disrupted. In this context, it is interesting to note that both H34 and the 530 loop have been implicated in tRNA binding.

[0136] Other parts of the chemical protection data, especially those that are supposed to indicate enhanced accessibility in the *ram* state, are not so easy to rationalize since they involve protected bases in our structure.

[0137] The 30S structure has allowed us to identify details of the tRNA and mRNA binding sites, as well as obtain our first detailed look at the structure around the H27 switch. Clearly, H27 is only one component of major conformational changes that occur during translation. Analysis of the high resolution 30S structure should allow us to identify other potential switching elements, which may then be tested genetically.

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[0138]

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- 45
- 50
- 55

TABLE 2

		REMARK 465	ILE B	5
	35	REMARK 465	THR B	6
5		REMARK 465 MISSING RESIDUES	GLU B	241
		REMARK 465 THE FOLLOWING	ALA B	242
		RESIDUES WERE NOT LOCATED IN	GLU B	243
10		THE	ALA B	244
	40	REMARK 465 EXPERIMENT.	THR B	245
		(M=MODEL NUMBER; RES=RESIDUE	GLU B	246
15		NAME; C=CHAIN	THR B	247
		REMARK 465 IDENTIFIER;	PRO B	248
		SSSEQ=SEQUENCE NUMBER;	GLU B	249
20		I=INSERTION CODE.)	GLY B	250
	45	REMARK 465	GLU B	251
		REMARK 465 M RES C SSSEQI	SER B	252
25		REMARK 465 U A 0	GLU B	253
		REMARK 465 U A 1	VAL B	254
		REMARK 465 U A 2	GLU B	255
30		REMARK 465 G A 3	ALA B	256
		REMARK 465 U A 4	MET C	1
		REMARK 465 C A 1535	ILE C	208
35		REMARK 465 C A 1536	GLY C	209
		REMARK 465 U A 1537	GLY C	210
		REMARK 465 C A 1538	GLN C	211
40		REMARK 465 C A 1539	LYS C	212
		REMARK 465 U A 1540	PRO C	213
		REMARK 465 U A 1541	LYS C	214
45		REMARK 465 U A 1542	ALA C	215
		REMARK 465 C A 1543	ARG C	216
		REMARK 465 U A 1544	PRO C	217
50		REMARK 465 MET B 1	GLU C	218
		REMARK 465 PRO B 2	LEU C	219
		REMARK 465 VAL B 3	PRO C	220
55		REMARK 465 GLU B 4	LYS C	221

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	REMARK 465	ALA C	222		REMARK 465	MET J	1
	REMARK 465	GLU C	223	35	REMARK 465	PRO J	2
5	REMARK 465	GLU C	224		REMARK 465	VAL J	101
	REMARK 465	ARG C	225		REMARK 465	GLY J	102
	REMARK 465	PRO C	226		REMARK 465	GLY J	103
10	REMARK 465	ARG C	227		REMARK 465	GLY J	104
	REMARK 465	ARG C	228	40	REMARK 465	ARG J	105
	REMARK 465	ARG C	229		REMARK 465	MET K	1
15	REMARK 465	ARG C	230		REMARK 465	ALA K	2
	REMARK 465	PRO C	231		REMARK 465	LYS K	3
	REMARK 465	ALA C	232		REMARK 465	LYS K	4
20	REMARK 465	VAL C	233	45	REMARK 465	PRO K	5
	REMARK 465	ARG C	234		REMARK 465	SER K	6
	REMARK 465	VAL C	235		REMARK 465	LYS K	7
25	REMARK 465	LYS C	236		REMARK 465	LYS K	8
	REMARK 465	LYS C	237		REMARK 465	LYS K	9
	REMARK 465	GLU C	238	50	REMARK 465	VAL K	10
30	REMARK 465	GLU C	239		REMARK 465	MET L	1
	REMARK 465	MET D	1		REMARK 465	VAL L	2
	REMARK 465	MET E	1		REMARK 465	ALA L	3
35	REMARK 465	PRO E	2		REMARK 465	LEU L	4
	REMARK 465	GLU E	3	55	REMARK 465	ALA L	129
	REMARK 465	THR E	4		REMARK 465	LYS L	130
40	REMARK 465	GLU E	155		REMARK 465	THR L	131
	REMARK 465	ALA E	156		REMARK 465	ALA L	132
	REMARK 465	HIS E	157		REMARK 465	ALA L	133
45	REMARK 465	ALA E	158	60	REMARK 465	LYS L	134
	REMARK 465	GLN E	159		REMARK 465	LYS L	135
	REMARK 465	ALA E	160		REMARK 465	MET M	1
	REMARK 465	GLN E	161		REMARK 465	MET N	1
50	REMARK 465	GLY E	162		REMARK 465	MET O	1
	REMARK 465	MET G	1	65	REMARK 465	ALA P	84
55	REMARK 465	MET I	1		REMARK 465	ARG P	85

	REMARK 465	GLU P	86		REMARK 465	ALA T	2
5	REMARK 465	GLY P	87	35	REMARK 465	GLN T	3
	REMARK 465	ALA P	88		REMARK 465	LYS T	4
	REMARK 465	MET Q	1		REMARK 465	LYS T	5
10	REMARK 465	MET R	1		REMARK 465	PRO T	6
	REMARK 465	SER R	2		REMARK 465	LYS T	7
	REMARK 465	THR R	3	40	REMARK 465	LYS V	26
15	REMARK 465	LYS R	4		REMARK 465	LYS V	27
	REMARK 465	ASN R	5				
	REMARK 465	ALA R	6				
20	REMARK 465	LYS R	7				
	REMARK 465	PRO R	8				
	REMARK 465	LYS R	9				
25	REMARK 465	LYS R	10				
	REMARK 465	GLU R	11				
	REMARK 465	ALA R	12				
30	REMARK 465	GLN R	13				
	REMARK 465	ARG R	14				
	REMARK 465	ARG R	15				
35	REMARK 465	MET S	1				
	REMARK 465	GLY S	82				
	REMARK 465	HIS S	83				
40	REMARK 465	GLY S	84				
	REMARK 465	LYS S	85				
	REMARK 465	GLU S	86				
45	REMARK 465	ALA S	87				
	REMARK 465	LYS S	88				
	REMARK 465	ALA S	89				
50	REMARK 465	THR S	90				
	REMARK 465	LYS S	91				
	REMARK 465	LYS S	92				
55	REMARK 465	LYS S	93				
	REMARK 465	MET T	1				

Claims

1. A crystal of a 30S subunit having a tetragonal space group $P4_12_12$ with unit cell dimensions of $a = 401.375 \text{ \AA}$, $b = 401.375 \text{ \AA}$, $c = 175.887 \text{ \AA}$.
2. A crystal of a 30S subunit having a tetragonal space group $P4_12_12$ with unit cell dimensions of $a = 401.4 \text{ \AA}$, $b = 401.4 \text{ \AA}$, $c = 175.9 \text{ \AA}$.
3. A crystal of a 30S ribosomal subunit having a resolution better (numerically less) than about 3 \AA .
4. A crystal a 30S ribosomal subunit having the structure defined by the co-ordinates of Table 1.
5. A computer-based method of rational drug design which comprises:
 - providing the structure of a 30S ribosomal subunit as defined by the coordinates of Table 1;
 - providing the structure of a candidate modulator molecule; and
 - fitting the structure of candidate to the structure of the 30S of Table 1.
6. A computer-based method for identifying a potential inhibitor of the 30S ribosome comprising the steps of:
 - a. employing a three-dimensional structure of 30S, or at least one sub-domain thereof, to characterise at least one active site, the three-dimensional structure being defined by atomic coordinate data according to Table 1; and
 - b. identifying the potential inhibitor by designing or selecting a compound for interaction with the active site.
7. The method of claim 6 which further comprises:
 - c. obtaining or synthesising the potential inhibitor;
 - d. contacting the potential inhibitor with 30S to determine the ability of said inhibitor to interact with the 30S.
8. The method of claim 6 which further comprises:
 - c. obtaining or synthesising said potential ligand;
 - d. forming a complex of 30S and said potential ligand; and
 - e. analysing said complex by X-ray crystallography to determine the ability of said potential ligand to interact with 30S.
9. A method for the determination of the structure of a bacterial 30S from a species other than *T. thermophilus* which method comprises:
 - (a) crystallising the 30S of said species to obtain a crystal;
 - (b) performing X-ray crystallography on said crystal to obtain X-ray diffraction data;
 - (c) providing the structure data of Table 1; and
 - (d) using molecular replacement to calculate an electron density map of the 30S.
10. A computer system, intended to generate structures and/or perform rational drug design for the 30S ribosome or complexes of the 30S ribosome with a potential modulator, the system containing either (a) atomic coordinate data according to Table 1, said data defining the three-dimensional structure of 30S or at least one sub-domain thereof, or (b) structure factor data for 30S, said structure factor data being derivable from the atomic coordinate data of Table 1.
11. A computer readable media with either (a) atomic coordinate data according to Table 1 recorded thereon, said data defining the three-dimensional structure of the 30S ribosome, at least one atom or at least one sub-domain thereof, or (b) structure factor data for the 30S ribosome recorded thereon, the structure factor data being derivable from the atomic coordinate data of Table 1.

TABLE 1A

[illegible]

AF001	19	07	UTS	31	236,442	316,097	28,792	1,00111,79	0230
AF002	191	07	UTS	31	235,976	316,156	28,900	1,00113,79	0230
AF003	196	07	UTS	31	234,369	316,165	28,900	1,00113,79	0230
AF004	199	07	UTS	31	235,117	316,168	28,900	1,00113,79	0230
AF005	210	06	UTS	31	235,253	313,861	29,429	0,00727,79	0230
AF006	211	07	UTS	31	236,076	316,439	29,113	1,00113,41	0230
AF007	212	07	UTS	31	236,150	316,439	29,113	1,00113,41	0230
AF008	213	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF009	214	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF010	215	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF011	216	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF012	217	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF013	218	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF014	219	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF015	220	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF016	221	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF017	222	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF018	223	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF019	224	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF020	225	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF021	226	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF022	227	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF023	228	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF024	229	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF025	230	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF026	231	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF027	232	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF028	233	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF029	234	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF030	235	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF031	236	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF032	237	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF033	238	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF034	239	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF035	240	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF036	241	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF037	242	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF038	243	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF039	244	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF040	245	07	UTS	31	236,013	316,439	29,113	1,00113,41	0230
AF041									

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12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989910010110210310410510610710810911011111211311411511611711811912012112212312412512612712812913013113213313413513613713813914014114214314414514614714814915015115215315415515615715815916016116216316416516616716816917017117217317417517617717817918018118218318418518618718818919019119219319419519619719819920020120220320420520620720820921021121221321421521621721821922022122222322422522622722822923023123223323423523623723823924024124224324424524624724824925025125225325425525625725825926026126226326426526626726826927027127227327427527627727827928028128228328428528628728828929029129229329429529629729829930030130230330430530630730830931031131231331431531631731831932032132232332432532632732832933033133233333433533633733833934034134234334434534634734834935035135235335435535635735835936036136236336436536636736836937037137237337437537637737837938038138238338438538638738838939039139239339439539639739839940040140240340440540640740840941041141241341441541641741841942042142242342442542642742842943043143243343443543643743843944044144244344444544644744844945045145245345445545645745845946046146246346446546646746846947047147247347447547647747847948048148248348448548648748848949049149249349449549649749849950050150250350450550650750850951051151251351451551651751851952052152252352452552652752852953053153253353453553653753853954054154254354454554654754854955055155255355455555655755855956056156256356456556656756856957057157257357457557657757857958058158258358458558658758858959059159259359459559659759859960060160260360460560660760860961061161261361461561661761861962062162262362462562662762862963063163263363463563663763863964064164264364464564664764864965065165265365465565665765865966066166266366466566666766866967067167267367467567667767867968068168268368468568668768868969069169269369469569669769869970070170270370470570670770870971071171271371471571671771871972072172272372472572672772872973073173273373473573673773873974074174274374474574674774874975075175275375475575675775875976076176276376476576676776876977077177277377477577677777877978078178278378478578678778878979079179279379479579679779879980080180280380480580680780880981081181281381481581681781881982082182282382482582682782882983083183283383483583683783883984084184284384484584684784884985085185285385485585685785885986086186286386486586686786886987087187287387487587687787887988088188288388488588688788888989089189289389489589689789889990090190290390490590690790890991091191291391491591691791891992092192292392492592692792892993093193293393493593693793893994094194294394494594694794894995095195295395495595695795895996096196296396496596696796896997097197297397497597697797897998098198298398498598698798898999099199299399499599699799899910001001100210031004100510061007100810091010101110121013101410151016101710181019102010211022102310241025102610271028102910301031103210331034103510361037103810391040104110421043104410451046104710481049105010511052105310541055105610571058105910601061106210631064106510661067106810691070107110721073107410751076107710781079108010811082108310841085108610871088108910901091109210931094109510961097109810991100110111021103110411051106110711081109111011111112111311141115111611171118111911201121112211231124112511261127112811291130113111321133113411351136113711381139114011411142114311441145114611471148114911501151115211531154115511561157115811591160116111621163116411651166116711681169117011711172117311741175117611771178117911801181118211831184118511861187118811891190119111921193119411951196119711981199120012011202120312041205120612071208120912101211121212131214121512161217121812191220122112221223122412251226122712281229123012311232123312341235123612371238123912401241124212431244124512461247124812491250125112521253125412551256125712581259126012611262126312641265126612671268126912701271127212731274127512761277127812791280128112821283128412851286128712881289129012911292129312941295129612971298129913001

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ATP	237	0	0.00	11	207,157	124,700	25,000	1,00	70,25	C27	ATP	1696	0	0.00	19	215,611	149,224	26,700	1,00	70,23	C21
ATP	238	0	0.00	11	207,171	125,204	25,000	1,00	70,25	C27	ATP	1697	0	0.00	19	215,614	149,267	26,700	1,00	70,23	C21
ATP	239	0	0.00	11	207,185	125,708	25,000	1,00	70,25	C27	ATP	1698	0	0.00	19	215,617	149,310	26,700	1,00	70,23	C21
ATP	240	0	0.00	11	207,199	126,212	25,000	1,00	70,25	C27	ATP	1699	0	0.00	19	215,620	149,353	26,700	1,00	70,23	C21
ATP	241	0	0.00	11	207,213	126,716	25,000	1,00	70,25	C27	ATP	1700	0	0.00	19	215,623	149,396	26,700	1,00	70,23	C21
ATP	242	0	0.00	11	207,227	127,220	25,000	1,00	70,25	C27	ATP	1701	0	0.00	19	215,626	149,439	26,700	1,00	70,23	C21
ATP	243	0	0.00	11	207,241	127,724	25,000	1,00	70,25	C27	ATP	1702	0	0.00	19	215,629	149,482	26,700	1,00	70,23	C21
ATP	244	0	0.00	11	207,255	128,228	25,000	1,00	70,25	C27	ATP	1703	0	0.00	19	215,632	149,525	26,700	1,00	70,23	C21
ATP	245	0	0.00	11	207,269	128,732	25,000	1,00	70,25	C27	ATP	1704	0	0.00	19	215,635	149,568	26,700	1,00	70,23	C21
ATP	246	0	0.00	11	207,283	129,236	25,000	1,00	70,25	C27	ATP	1705	0	0.00	19	215,638	149,611	26,700	1,00	70,23	C21
ATP	247	0	0.00	11	207,297	129,740	25,000	1,00	70,25	C27	ATP	1706	0	0.00	19	215,641	149,654	26,700	1,00	70,23	C21
ATP	248	0	0.00	11	207,311	130,244	25,000	1,00	70,25	C27	ATP	1707	0	0.00	19	215,644	149,697	26,700	1,00	70,23	C21
ATP	249	0	0.00	11	207,325	130,748	25,000	1,00	70,25	C27	ATP	1708	0	0.00	19	215,647	149,740	26,700	1,00	70,23	C21
ATP	250	0	0.00	11	207,339	131,252	25,000	1,00	70,25	C27	ATP	1709	0	0.00	19	215,650	149,783	26,700	1,00	70,23	C21
ATP	251	0	0.00	11	207,353	131,756	25,000	1,00	70,25	C27	ATP	1710	0	0.00	19	215,653	149,826	26,700	1,00	70,23	C21
ATP	252	0	0.00	11	207,367	132,260	25,000	1,00	70,25	C27	ATP	1711	0	0.00	19	215,656	149,869	26,700	1,00	70,23	C21
ATP	253	0	0.00	11	207,381	132,764	25,000	1,00	70,25	C27	ATP	1712	0	0.00	19	215,659	149,912	26,700	1,00	70,23	C21
ATP	254	0	0.00	11	207,395	133,268	25,000	1,00	70,25	C27	ATP	1713	0	0.00	19	215,662	149,955	26,700	1,00	70,23	C21
ATP	255	0	0.00	11	207,409	133,772	25,000	1,00	70,25	C27	ATP	1714	0	0.00	19	215,665	149,998	26,700	1,00	70,23	C21
ATP	256	0	0.00	11	207,423	134,276	25,000	1,00	70,25	C27	ATP	1715	0	0.00	19	215,668	150,041	26,700	1,00	70,23	C21
ATP	257	0	0.00	11	207,437	134,780	25,000	1,00	70,25	C27	ATP	1716	0	0.00	19	215,671	150,084	26,700	1,00	70,23	C21
ATP	258	0	0.00	11	207,451	135,284	25,000	1,00	70,25	C27	ATP	1717	0	0.00	19	215,674	150,127	26,700	1,00	70,23	C21
ATP	259	0	0.00	11	207,465	135,788	25,000	1,00	70,25	C27	ATP	1718	0	0.00	19	215,677	150,170	26,700	1,00	70,23	C21
ATP	260	0	0.00	11	207,479	136,292	25,000	1,00	70,25	C27	ATP	1719	0	0.00	19	215,680	150,213	26,700	1,00	70,23	C21
ATP	261	0	0.00	11	207,493	136,796	25,000	1,00	70,25	C27	ATP	1720	0	0.00	19	215,683	150,256	26,700	1,00	70,23	C21
ATP	262	0	0.00	11	207,507	137,300	25,000	1,00	70,25	C27	ATP	1721	0	0.00	19	215,686	150,299	26,700	1,00	70,23	C21
ATP	263	0	0.00	11	207,521	137,804	25,000	1,00	70,25	C27	ATP	1722	0	0.00	19	215,689	150,342	26,700	1,00	70,23	C21
ATP	264	0	0.00	11	207,535	138,308	25,000	1,00	70,25	C27	ATP	1723	0	0.00	19	215,692	150,385	26,700	1,00	70,23	C21
ATP	265	0	0.00	11	207,549	138,812	25,000	1,00	70,25	C27	ATP	1724	0	0.00	19	215,695	150,428	26,700	1,00	70,23	C21
ATP	266	0	0.00	11	207,563	139,316	25,000	1,00	70,25	C27	ATP	1725	0	0.00	19	215,698	150,471	26,700	1,00	70,23	C21
ATP	267	0	0.00	11	207,577	139,820	25,000	1,00	70,25	C27	ATP	1726	0	0.00	19	215,701	150,514	26,700	1,00	70,23	C21
ATP	268	0	0.00	11	207,591	140,324	25,000	1,00	70,25	C27	ATP	1727	0	0.00	19	215,704	150,557	26,700	1,00	70,23	C21
ATP	269	0	0.00	11	207,605	140,828	25,000	1,00	70,25	C27	ATP	1728	0	0.00	19	215,707	150,600	26,700	1,00	70,23	C21
ATP	270	0	0.00	11	207,619	141,332	25,000	1,00	70,25	C27	ATP	1729	0	0.00	19	215,710	150,643	26,700	1,00	70,23	C21
ATP	271	0	0.00	11	207,633	141,836	25,000	1,00	70,25	C27	ATP	1730	0	0.00	19	215,713	150,686	26,700	1,00	70,23	C21
ATP	272	0	0.00	11	207,647	142,340	25,000	1,00	70,25	C27	ATP	1731	0	0.00	19	215,716	150,729	26,700	1,00	70,23	C21
ATP	273	0	0.00	11	207,661	142,844	25,000	1,00	70,25	C27	ATP	1732	0	0.00	19	215,719	150,772	26,700	1,00	70,23	C21
ATP	274	0	0.00	11	207,675	143,348	25,000	1,00	70,25	C27	ATP	1733	0	0.00	19	215,722	150,815	26,700	1,00	70,23	C21
ATP	275	0	0.00	11	207,689	143,852	25,000	1,00	70,25	C27	ATP	1734	0	0.00	19	215,725	150,858	26,700	1,00	70,23	C21
ATP	276	0	0.00	11	207,703	144,356	25,000	1,00	70,25	C27	ATP	1735	0	0.00	19	215,728	150,901	26,700	1,00	70,23	C21
ATP	277	0	0.00	11	207,717	144,860	25,000	1,00	70,25	C27	ATP	1736	0	0.00	19	215,731	150,944	26,700	1,00	70,23	C21
ATP	278	0	0.00	11	207,731	145,364	25,000	1,00	70,25	C27	ATP	1737	0	0.00	19	215,734	150,987	26,700	1,00	70,23	C21
ATP	279	0	0.00	11	207,745	145,868	25,000	1,00	70,25	C27	ATP	1738	0	0.00	19	215,737	151,030	26,700	1,00	70,23	C21
ATP	280	0	0.00	11	207,759	146,372	25,000	1,00	70,25	C27	ATP	1739	0	0.00	19	215,740	151,073	26,700	1,00	70,23	C21
ATP	281	0	0.00	11	207,773	146,876	25,000	1,00	70,25	C27	ATP	1740	0	0.00	19	215,743	151,116	26,700	1,00	70,23	C21
ATP	282	0	0.00	11	207,787	147,380	25,000	1,00	70,25	C27	ATP	1741	0	0.00	19	215,746	151,159	26,700	1,00	70,23	C21
ATP	283	0	0.00	11	207,801	147,884	25,000	1,00	70,25	C27	ATP	1742	0	0.00	19	215,749	151,202	26,700	1,00	70,23	C21
ATP	284	0	0.00	11	207,815	148,388	25,000	1,00	70,25	C27	ATP	1743	0	0.00	19	215,752	151,245	26,700	1,00	70,23	C21
ATP	285	0	0.00	11	207,829	148,892	25,000	1,00	70,25	C27	ATP	1744	0	0.00	19	215,755	151,288	26,700	1,00	70,23	C21
ATP	286	0	0.00	11	207,843	149,396	25,000	1,00	70,25	C27	ATP	1745	0	0.00	19	215,758	151,331	26,700	1,00	70,23	C21
ATP	287	0	0.00	11	207,857	149,900	25,000	1,00	70,25	C27	ATP	1746	0	0.00	19	215,761	151,374	26,700	1,00	70,23	C21
ATP	288	0	0.00	11	207,871	150,404	25,000	1,00	70,25	C27	ATP	1747	0	0.00	19	215,764	151,417	26,700	1,00	70,23	C21
ATP	289	0	0.00	11	207,885	150,908	25,000	1,00	70,25	C27	ATP	1748	0	0.00	19	215,767	151,460	26,700	1,00	70,23	C21
ATP	290	0	0.00	11	207,899	151,412	25,000	1,00	70,25	C27	ATP	1749	0	0.00	19	215,770	151,503	26,700	1,00	70,23	C21
ATP	291	0	0.00	11	207,913	151,916	25,000	1,00	70,25	C27	ATP	1750	0	0.00	19	215,773	151,546	26,700	1,00	70,23	C21
ATP	292	0	0.00	11	207,927	152,420	25,000	1,00	70,25	C27	ATP	1751	0	0.00	19	215,776	151,589	26,700	1,00	70,23	C21
ATP	293	0	0.00	11	207,941	152,924	25,000	1,00	70,25	C27	ATP	1752	0	0.00	19	215,779	151,632	26,700	1,00	70,23	C21
ATP	294	0	0.00	11	207,955	153,428	25,000	1,00	70,25	C27	ATP	1753	0	0.00	19	215,782	151,675	26,700	1,00	70,23	C21
ATP	295	0	0.00	11	207,969	153,932	25,000	1,00	70,25	C27	ATP	1754	0	0.00	19	215,785	151,718	26,700	1,00	70,23	C21
ATP	296	0	0.00	11	207,983	154,436	25,000	1,00	70,25	C27	ATP	1755	0	0.00	19	215,788	151,761	26,700	1,00	70,23	C21
ATP	297	0	0.00	11	207,997	154,940	25,000	1,00	70,25</												

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AT00	1273	C	VAL	11	127.520	82.487	-44.009	1.00	13.79	0017
AT00	1274	C	VAL	11	128.540	83.102	-11.680	1.00	13.79	0017
AT00	1275	C	VAL	11	129.560	83.717	11.704	1.00	14.30	0017
AT00	1276	C	VAL	11	130.580	84.332	-44.315	1.00	14.30	0017
AT00	1277	C	VAL	11	131.600	84.947	-11.704	1.00	14.30	0017
AT00	1278	C	VAL	11	132.620	85.562	11.704	1.00	14.30	0017
AT00	1279	C	VAL	11	133.640	86.177	-44.315	1.00	14.30	0017
AT00	1280	C	VAL	11	134.660	86.792	-11.704	1.00	14.30	0017
AT00	1281	C	VAL	11	135.680	87.407	11.704	1.00	14.30	0017
AT00	1282	C	VAL	11	136.700	88.022	-44.315	1.00	14.30	0017
AT00	1283	C	VAL	11	137.720	88.637	-11.704	1.00	14.30	0017
AT00	1284	C	VAL	11	138.740	89.252	11.704	1.00	14.30	0017
AT00	1285	C	VAL	11	139.760	89.867	-44.315	1.00	14.30	0017
AT00	1286	C	VAL	11	140.780	90.482	-11.704	1.00	14.30	0017
AT00	1287	C	VAL	11	141.800	91.097	11.704	1.00	14.30	0017
AT00	1288	C	VAL	11	142.820	91.712	-44.315	1.00	14.30	0017
AT00	1289	C	VAL	11	143.840	92.327	-11.704	1.00	14.30	0017
AT00	1290	C	VAL	11	144.860	92.942	11.704	1.00	14.30	0017
AT00	1291	C	VAL	11	145.880	93.557	-44.315	1.00	14.30	0017
AT00	1292	C	VAL	11	146.900	94.172	-11.704	1.00	14.30	0017
AT00	1293	C	VAL	11	147.920	94.787	11.704	1.00	14.30	0017
AT00	1294	C	VAL	11	148.940	95.402	-44.315	1.00	14.30	0017
AT00	1295	C	VAL	11	149.960	96.017	-11.704	1.00	14.30	0017
AT00	1296	C	VAL	11	150.980	96.632	11.704	1.00	14.30	0017
AT00	1297	C	VAL	11	152.000	97.247	-44.315	1.00	14.30	0017
AT00	1298	C	VAL	11	153.020	97.862	-11.704	1.00	14.30	0017
AT00	1299	C	VAL	11	154.040	98.477	11.704	1.00	14.30	0017
AT00	1300	C	VAL	11	155.060	99.092	-44.315	1.00	14.30	0017
AT00	1301	C	VAL	11	156.080	99.707	-11.704	1.00	14.30	0017
AT00	1302	C	VAL	11	157.100	100.322	11.704	1.00	14.30	0017
AT00	1303	C	VAL	11	158.120	100.937	-44.315	1.00	14.30	0017
AT00	1304	C	VAL	11	159.140	101.552	-11.704	1.00	14.30	0017
AT00	1305	C	VAL	11	160.160	102.167	11.704	1.00	14.30	0017
AT00	1306	C	VAL	11	161.180	102.782	-44.315	1.00	14.30	0017
AT00	1307	C	VAL	11	162.200	103.397	-11.704	1.00	14.30	0017
AT00	1308	C	VAL	11	163.220	104.012	11.704	1.00	14.30	0017
AT00	1309	C	VAL	11	164.240	104.627	-44.315	1.00	14.30	0017
AT00	1310	C	VAL	11	165.260	105.242	-11.704	1.00	14.30	0017
AT00	1311	C	VAL	11	166.280	105.857	11.704	1.00	14.30	0017
AT00	1312	C	VAL	11	167.300	106.472	-44.315	1.00	14.30	0017
AT00	1313	C	VAL	11	168.320	107.087	-11.704	1.00	14.30	0017
AT00	1314	C	VAL	11	169.340	107.702	11.704	1.00	14.30	0017
AT00	1315	C	VAL	11	170.360	108.317	-44.315	1.00	14.30	0017
AT00	1316	C	VAL	11	171.380	108.932	-11.704	1.00	14.30	0017
AT00	1317	C	VAL	11	172.400	109.547	11.704	1.00	14.30	0017
AT00	1318	C	VAL	11	173.420	110.162	-44.315	1.00	14.30	0017
AT00	1319	C	VAL	11	174.440	110.777	-11.704	1.00	14.30	0017
AT00	1320	C	VAL	11	175.460	111.392	11.704	1.00	14.30	0017
AT00	1321	C	VAL	11	176.480	112.007	-44.315	1.00	14.30	0017
AT00	1322	C	VAL	11	177.500	112.622	-11.704	1.00	14.30	0017
AT00	1323	C	VAL	11	178.520	113.237	11.704	1.00	14.30	0017
AT00	1324	C	VAL	11	179.540	113.852	-44.315	1.00	14.30	0017
AT00	1325	C	VAL	11	180.560	114.467	-11.704	1.00	14.30	0017
AT00	1326	C	VAL	11	181.580	115.082	11.704	1.00	14.30	0017
AT00	1327	C	VAL	11	182.600	115.697	-44.315	1.00	14.30	0017
AT00	1328	C	VAL	11	183.620	116.312	-11.704	1.00	14.30	0017
AT00	1329	C	VAL	11	184.640	116.927	11.704	1.00	14.30	0017
AT00	1330	C	VAL	11	185.660	117.542	-44.315	1.00	14.30	0017
AT00	1331	C	VAL	11	186.680	118.157	-11.704	1.00	14.30	0017
AT00	1332	C	VAL	11	187.700	118.772	11.704	1.00	14.30	0017
AT00	1333	C	VAL	11	188.720	119.387	-44.315	1.00	14.30	0017
AT00	1334	C	VAL	11	189.740	120.002	-11.704	1.00	14.30	0017
AT00	1335	C	VAL	11	190.760	120.617	11.704	1.00	14.30	0017
AT00	1336	C	VAL	11	191.780	121.232	-44.315	1.00	14.30	0017
AT00	1337	C	VAL	11	192.800	121.847	-11.704	1.00	14.30	0017
AT00	1338	C	VAL	11	193.820	122.462	11.704	1.00	14.30	0017
AT00	1339	C	VAL	11	194.840	123.077	-44.315	1.00	14.30	0017
AT00	1340	C	VAL	11	195.860	123.692	-11.704	1.00	14.30	0017
AT00	1341	C	VAL	11	196.880	124.307	11.704	1.00	14.30	0017
AT00	1342	C	VAL	11	197.900	124.922	-44.315	1.00	14.30	0017
AT00	1343	C	VAL	11	198.920	125.537	-11.704	1.00	14.30	0017
AT00	1344	C	VAL	11	199.940	126.152	11.704	1.00	14.30	0017
AT00	1345	C	VAL	11	200.960	126.767	-44.315	1.00	14.30	0017
AT00	1346	C	VAL	11	201.980	127.382	-11.704	1.00	14.30	0017
AT00	1347	C	VAL	11	203.000	127.997	11.704	1.00	14.30	0017
AT00	1348	C	VAL	11	204.020	128.612	-44.315	1.00	14.30	0017
AT00	1349	C	VAL	11	205.040	129.227	-11.704	1.00	14.30	0017
AT00	1350	C	VAL	11	206.060	129.842	11.704	1.00	14.30	0017
AT00	1351	C	VAL	11	207.080	130.457	-44.315	1.00	14.30	0017
AT00	1352	C	VAL	11	208.100	131.072	-11.704	1.00	14.30	0017
AT00	1353	C	VAL	11	209.120	131.687	11.704	1.00	14.30	0017
AT00	1354	C	VAL	11	210.140	132.302	-44.315	1.00	14.30	0017
AT00	1355	C	VAL	11	211.160	132.917	-11.704	1.00	14.30	0017
AT00	1356	C	VAL	11	212.180	133.532	11.704	1.00	14.30	0017
AT00	1357	C	VAL	11	213.200	134.147	-44.315	1.00	14.30	0017
AT00	1358	C	VAL	11	214.220	134.762	-11.704	1.00	14.30	0017
AT00	1359	C	VAL	11	215.240	135.377	11.704	1.00	14.30	0017
AT00	1360	C	VAL	11	216.260	135.992	-44.315	1.00	14.30	0017
AT00	1361	C	VAL	11	217.280	136.607	-11.704	1.00	14.30	0017
AT00	1362	C	VAL	11	218.300	137.222	11.704	1.00	14.30	0017
AT00	1363	C	VAL	11	219.320	137.837	-44.315	1.00	14.30	0017
AT00	1364	C	VAL	11	220.340	138.452	-11.704	1.00	14.30	0017
AT00	1365	C	VAL	11	221.360	139.067	11.704	1.00	14.30	0017
AT00	1366	C	VAL	11	222.380	139.682	-44.315	1.00	14.30	0017
AT00	1367	C	VAL	11	223.400	140.297	-11.704	1.00	14.30	0017
AT00	1368	C	VAL	11	224.420	140.912	11.704	1.00	14.30	0017
AT00	1369	C	VAL	11	225.440	141.527	-44.315	1.00	14.30	0017
AT00	1370	C	VAL	11	226.460	142.142	-11.704	1.00	14.30	0017
AT00	1371	C	VAL	11	227.480	142.757	11.704	1.00	14.30	0017
AT00	1372	C	VAL	11	228.500	143.372	-44.315	1.00	14.30	0017
AT00	1373	C	VAL	11	229.520	143.987	-11.704	1.00	14.30	0017
AT00	1374	C	VAL	11	230.540	144.602	11.704	1.00	14.30	0017
AT00	1375	C	VAL	11	231.560	145.217	-44.315	1.00	14.30	0017
AT00	1376	C	VAL	11	232.580	145.832	-11.704	1.00	14.30	0017
AT00	1377	C	VAL	11	233.600	146.447	11.704	1.00	14.30	0017
AT00	1378	C	VAL	11	234.620	147.062	-44.315	1.00	14.30	0017
AT00	1379	C	VAL	11	235.640	147.677	-11.704	1.00	14.30	0017
AT00	1380	C	VAL	11	236.660	148.292	11.704	1.00	14.30	0017
AT00	1381	C	VAL	11	237.680	148.907	-44.315	1.00	14.30	0017
AT00	1382	C	VAL	11	238.700	149.522	-11.704	1.00	14.30	0017
AT00	1383	C	VAL	11	239.720	150.137	11.704	1.00	14.30	0017
AT00	1384	C	VAL	11	240.740	150.752	-44.315	1.00	14.30	0017
AT00	1385	C	VAL	11	241.760	151.367	-11.704	1.00	14.30	0017
AT00	1386	C	VAL	11	242.780	151.982	11.704	1.00	14.30	0017
AT00	1387	C	VAL	11	243.800	152.597	-44.315	1.00	14.30	0017
AT00	1388	C	VAL	11	244.820	153.212	-11.704	1.00	14.30	0017
AT00	1389	C	VAL	11	245.840	153.827	11.704	1.00	14.30	0017
AT00	1390	C	VAL	11	246.860	154.442	-44.315	1.00	14.30	0017
AT00	1391	C	VAL	11	247.880	155.057	-11.704	1.00	14.30	0017
AT00	1392	C	VAL	11	248.9					

EP01	1111	C	46	111.117	76.853	-11.132	1.00	76.34	0011
EP01	1112	C	46	111.085	77.388	-12.007	1.00	75.19	0011
EP01	1113	C	46	111.054	77.923	-12.882	1.00	74.04	0011
EP01	1114	C	46	111.023	78.458	-13.757	1.00	72.89	0011
EP01	1115	C	46	110.992	78.993	-14.632	1.00	71.74	0011
EP01	1116	C	46	110.961	79.528	-15.507	1.00	70.59	0011
EP01	1117	C	46	110.930	80.063	-16.382	1.00	69.44	0011
EP01	1118	C	46	110.899	80.598	-17.257	1.00	68.29	0011
EP01	1119	C	46	110.868	81.133	-18.132	1.00	67.14	0011
EP01	1120	C	46	110.837	81.668	-19.007	1.00	65.99	0011
EP01	1121	C	46	110.806	82.203	-19.882	1.00	64.84	0011
EP01	1122	C	46	110.775	82.738	-20.757	1.00	63.69	0011
EP01	1123	C	46	110.744	83.273	-21.632	1.00	62.54	0011
EP01	1124	C	46	110.713	83.808	-22.507	1.00	61.39	0011
EP01	1125	C	46	110.682	84.343	-23.382	1.00	60.24	0011
EP01	1126	C	46	110.651	84.878	-24.257	1.00	59.09	0011
EP01	1127	C	46	110.620	85.413	-25.132	1.00	57.94	0011
EP01	1128	C	46	110.589	85.948	-26.007	1.00	56.79	0011
EP01	1129	C	46	110.558	86.483	-26.882	1.00	55.64	0011
EP01	1130	C	46	110.527	87.018	-27.757	1.00	54.49	0011
EP01	1131	C	46	110.496	87.553	-28.632	1.00	53.34	0011
EP01	1132	C	46	110.465	88.088	-29.507	1.00	52.19	0011
EP01	1133	C	46	110.434	88.623	-30.382	1.00	51.04	0011
EP01	1134	C	46	110.403	89.158	-31.257	1.00	49.89	0011
EP01	1135	C	46	110.372	89.693	-32.132	1.00	48.74	0011
EP01	1136	C	46	110.341	90.228	-33.007	1.00	47.59	0011
EP01	1137	C	46	110.310	90.763	-33.882	1.00	46.44	0011
EP01	1138	C	46	110.279	91.298	-34.757	1.00	45.29	0011
EP01	1139	C	46	110.248	91.833	-35.632	1.00	44.14	0011
EP01	1140	C	46	110.217	92.368	-36.507	1.00	42.99	0011
EP01	1141	C	46	110.186	92.903	-37.382	1.00	41.84	0011
EP01	1142	C	46	110.155	93.438	-38.257	1.00	40.69	0011
EP01	1143	C	46	110.124	93.973	-39.132	1.00	39.54	0011
EP01	1144	C	46	110.093	94.508	-40.007	1.00	38.39	0011
EP01	1145	C	46	110.062	95.043	-40.882	1.00	37.24	0011
EP01	1146	C	46	110.031	95.578	-41.757	1.00	36.09	0011
EP01	1147	C	46	109.999	96.113	-42.632	1.00	34.94	0011
EP01	1148	C	46	109.968	96.648	-43.507	1.00	33.79	0011
EP01	1149	C	46	109.937	97.183	-44.382	1.00	32.64	0011
EP01	1150	C	46	109.906	97.718	-45.257	1.00	31.49	0011
EP01	1151	C	46	109.875	98.253	-46.132	1.00	30.34	0011
EP01	1152	C	46	109.844	98.788	-47.007	1.00	29.19	0011
EP01	1153	C	46	109.813	99.323	-47.882	1.00	28.04	0011
EP01	1154	C	46	109.782	99.858	-48.757	1.00	26.89	0011
EP01	1155	C	46	109.751	100.393	-49.632	1.00	25.74	0011
EP01	1156	C	46	109.720	100.928	-50.507	1.00	24.59	0011
EP01	1157	C	46	109.689	101.463	-51.382	1.00	23.44	0011
EP01	1158	C	46	109.658	101.998	-52.257	1.00	22.29	0011
EP01	1159	C	46	109.627	102.533	-53.132	1.00	21.14	0011
EP01	1160	C	46	109.596	103.068	-54.007	1.00	19.99	0011
EP01	1161	C	46	109.565	103.603	-54.882	1.00	18.84	0011
EP01	1162	C	46	109.534	104.138	-55.757	1.00	17.69	0011
EP01	1163	C	46	109.503	104.673	-56.632	1.00	16.54	0011
EP01	1164	C	46	109.472	105.208	-57.507	1.00	15.39	0011
EP01	1165	C	46	109.441	105.743	-58.382	1.00	14.24	0011
EP01	1166	C	46	109.410	106.278	-59.257	1.00	13.09	0011
EP01	1167	C	46	109.379	106.813	-60.132	1.00	11.94	0011
EP01	1168	C	46	109.348	107.348	-61.007	1.00	10.79	0011
EP01	1169	C	46	109.317	107.883	-61.882	1.00	9.64	0011
EP01	1170	C	46	109.286	108.418	-62.757	1.00	8.49	0011
EP01	1171	C	46	109.255	108.953	-63.632	1.00	7.34	0011
EP01	1172	C	46	109.224	109.488	-64.507	1.00	6.19	0011
EP01	1173	C	46	109.193	110.023	-65.382	1.00	5.04	0011
EP01	1174	C	46	109.162	110.558	-66.257	1.00	3.89	0011
EP01	1175	C	46	109.131	111.093	-67.132	1.00	2.74	0011
EP01	1176	C	46	109.100	111.628	-68.007	1.00	1.59	0011
EP01	1177	C	46	109.069	112.163	-68.882	1.00	0.44	0011
EP01	1178	C	46	109.038	112.698	-69.757	1.00	-0.71	0011
EP01	1179	C	46	109.007	113.233	-70.632	1.00	-1.86	0011
EP01	1180	C	46	108.976	113.768	-71.507	1.00	-3.01	0011
EP01	1181	C	46	108.945	114.303	-72.382	1.00	-4.16	0011
EP01	1182	C	46	108.914	114.838	-73.257	1.00	-5.31	0011
EP01	1183	C	46	108.883	115.373	-74.132	1.00	-6.46	0011
EP01	1184	C	46	108.852	115.908	-75.007	1.00	-7.61	0011
EP01	1185	C	46	108.821	116.443	-75.882	1.00	-8.76	0011
EP01	1186	C	46	108.790	116.978	-76.757	1.00	-9.91	0011
EP01	1187	C	46	108.759	117.513	-77.632	1.00	-11.06	0011
EP01	1188	C	46	108.728	118.048	-78.507	1.00	-12.21	0011
EP01	1189	C	46	108.697	118.583	-79.382	1.00	-13.36	0011
EP01	1190	C	46	108.666	119.118	-80.257	1.00	-14.51	0011
EP01	1191	C	46	108.635	119.653	-81.132	1.00	-15.66	0011
EP01	1192	C	46	108.604	120.188	-82.007	1.00	-16.81	0011
EP01	1193	C	46	108.573	120.723	-82.882	1.00	-17.96	0011
EP01	1194	C	46	108.542	121.258	-83.757	1.00	-19.11	0011
EP01	1195	C	46	108.511	121.793	-84.632	1.00	-20.26	0011
EP01	1196	C	46	108.480	122.328	-85.507	1.00	-21.41	0011
EP01	1197	C	46	108.449	122.863	-86.382	1.00	-22.56	0011
EP01	1198	C	46	108.418	123.398	-87.257	1.00	-23.71	0011
EP01	1199	C	46	108.387	123.933	-88.132	1.00	-24.86	0011
EP01	1200	C	46	108.356	124.468	-89.007	1.00	-26.01	0011
EP01	1201	C	46	108.325	125.003	-89.882	1.00	-27.16	0011
EP01	1202	C	46	108.294	125.538	-90.757	1.00	-28.31	0011
EP01	1203	C	46	108.263	126.073	-91.632	1.00	-29.46	0011
EP01	1204	C	46	108.232	126.608	-92.507	1.00	-30.61	0011
EP01	1205	C	46	108.201	127.143	-93.382	1.00	-31.76	0011
EP01	1206	C	46	108.170	127.678	-94.257	1.00	-32.91	0011
EP01	1207	C	46	108.139	128.213	-95.132	1.00	-34.06	0011
EP01	1208	C	46	108.108	128.748	-96.007	1.00	-35.21	0011
EP01	1209	C	46	108.077	129.283	-96.882	1.00	-36.36	0011
EP01	1210	C	46	108.046	129.818	-97.757	1.00	-37.51	0011
EP01	1211	C	46	108.015	130.353	-98.632	1.00	-38.66	0011
EP01	1212	C	46	107.984	130.888	-99.507	1.00	-39.81	0011
EP01	1213	C	46	107.953	131.423	-100.382	1.00	-40.96	0011
EP01	1214	C	46	107.922	131.958	-101.257	1.00	-42.11	0011
EP01	1215	C	46	107.891	132.493	-102.132	1.00	-43.26	0011
EP01	1216	C	46	107.860	133.028	-103.007	1.00	-44.41	0011
EP01	1217	C	46	107.829	133.563	-103.882	1.00	-45.56	0011
EP01	1218	C	46	107.798	134.098	-104.757	1.00	-46.71	0011
EP01	1219	C	46	107.767	134.633	-105.632	1.00	-47.86	0011
EP01	1220	C	46	107.736	135.168	-106.507	1.00	-49.01	0011
EP01	1221	C	46	107.705	135.703	-107.382	1.00	-50.16	0011
EP01	1222	C	46	107.674	136.238	-108.257	1.00	-51.31	0011
EP01	1223	C	46	107.643	136.773	-109.132	1.00	-52.46	0011
EP01	1224	C	46	107.612	137.308	-110.007	1.00	-53.61	0011
EP01	1225	C	46	107.581	137.843	-110.882	1.00	-54.76	0011
EP01	1226	C	46	107.550	138.378	-111.757	1.00	-55.91	0011
EP01	1227	C	46	107.519	138.913	-112.632	1.00	-57.06	0011
EP01	1228	C	46	107.488	139.448	-113.507	1.00	-58.21	0011
EP01	1229	C	46	107.457	139.983	-114.382	1.00	-59.36	0011
EP01	1230	C	46	107.426	140.518	-115.257	1.00	-60.51	0011
EP01	1231	C	46	107.395	141.053	-116.132	1.00	-61.66	0011
EP01	1232	C	46	107.364	141.588	-117.007	1.00	-62.81	0011
EP01	1233	C	46	107.333	142.123	-117.882	1.00	-63.96	0011
EP01	1234	C	46	107.302	142.658	-118.757	1.00	-65.11	0011
EP01	1235	C	46	107.271	143.193	-119.632	1.00	-66.26	0011
EP01	1236	C	46	107.240	143.728	-120.507	1.00	-67.41	0011
EP01	1237	C	46	107.209	144.263	-121.382	1.00	-68.56	

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ATC01	170.990	126.174	-0.011	1.00	12.14	0210	ATC01	170.990	126.174	-0.011	1.00	12.14	0210
ATC02	171.234	126.483	-0.305	1.00	12.13	0210	ATC02	171.234	126.483	-0.305	1.00	12.13	0210
ATC03	171.478	126.792	-0.519	1.00	12.12	0210	ATC03	171.478	126.792	-0.519	1.00	12.12	0210
ATC04	171.722	127.101	-0.733	1.00	12.11	0210	ATC04	171.722	127.101	-0.733	1.00	12.11	0210
ATC05	171.966	127.410	-0.947	1.00	12.10	0210	ATC05	171.966	127.410	-0.947	1.00	12.10	0210
ATC06	172.210	127.719	-1.161	1.00	12.09	0210	ATC06	172.210	127.719	-1.161	1.00	12.09	0210
ATC07	172.454	128.028	-1.375	1.00	12.08	0210	ATC07	172.454	128.028	-1.375	1.00	12.08	0210
ATC08	172.698	128.337	-1.589	1.00	12.07	0210	ATC08	172.698	128.337	-1.589	1.00	12.07	0210
ATC09	172.942	128.646	-1.803	1.00	12.06	0210	ATC09	172.942	128.646	-1.803	1.00	12.06	0210
ATC10	173.186	128.955	-2.017	1.00	12.05	0210	ATC10	173.186	128.955	-2.017	1.00	12.05	0210
ATC11	173.430	129.264	-2.231	1.00	12.04	0210	ATC11	173.430	129.264	-2.231	1.00	12.04	0210
ATC12	173.674	129.573	-2.445	1.00	12.03	0210	ATC12	173.674	129.573	-2.445	1.00	12.03	0210
ATC13	173.918	129.882	-2.659	1.00	12.02	0210	ATC13	173.918	129.882	-2.659	1.00	12.02	0210
ATC14	174.162	130.191	-2.873	1.00	12.01	0210	ATC14	174.162	130.191	-2.873	1.00	12.01	0210
ATC15	174.406	130.500	-3.087	1.00	11.99	0210	ATC15	174.406	130.500	-3.087	1.00	11.99	0210
ATC16	174.650	130.809	-3.301	1.00	11.98	0210	ATC16	174.650	130.809	-3.301	1.00	11.98	0210
ATC17	174.894	131.118	-3.515	1.00	11.97	0210	ATC17	174.894	131.118	-3.515	1.00	11.97	0210
ATC18	175.138	131.427	-3.729	1.00	11.96	0210	ATC18	175.138	131.427	-3.729	1.00	11.96	0210
ATC19	175.382	131.736	-3.943	1.00	11.95	0210	ATC19	175.382	131.736	-3.943	1.00	11.95	0210
ATC20	175.626	132.045	-4.157	1.00	11.94	0210	ATC20	175.626	132.045	-4.157	1.00	11.94	0210
ATC21	175.870	132.354	-4.371	1.00	11.93	0210	ATC21	175.870	132.354	-4.371	1.00	11.93	0210
ATC22	176.114	132.663	-4.585	1.00	11.92	0210	ATC22	176.114	132.663	-4.585	1.00	11.92	0210
ATC23	176.358	132.972	-4.799	1.00	11.91	0210	ATC23	176.358	132.972	-4.799	1.00	11.91	0210
ATC24	176.602	133.281	-5.013	1.00	11.90	0210	ATC24	176.602	133.281	-5.013	1.00	11.90	0210
ATC25	176.846	133.590	-5.227	1.00	11.89	0210	ATC25	176.846	133.590	-5.227	1.00	11.89	0210
ATC26	177.090	133.900	-5.441	1.00	11.88	0210	ATC26	177.090	133.900	-5.441	1.00	11.88	0210
ATC27	177.334	134.209	-5.655	1.00	11.87	0210	ATC27	177.334	134.209	-5.655	1.00	11.87	0210
ATC28	177.578	134.518	-5.869	1.00	11.86	0210	ATC28	177.578	134.518	-5.869	1.00	11.86	0210
ATC29	177.822	134.827	-6.083	1.00	11.85	0210	ATC29	177.822	134.827	-6.083	1.00	11.85	0210
ATC30	178.066	135.136	-6.297	1.00	11.84	0210	ATC30	178.066	135.136	-6.297	1.00	11.84	0210
ATC31	178.310	135.445	-6.511	1.00	11.83	0210	ATC31	178.310	135.445	-6.511	1.00	11.83	0210
ATC32	178.554	135.754	-6.725	1.00	11.82	0210	ATC32	178.554	135.754	-6.725	1.00	11.82	0210
ATC33	178.798	136.063	-6.939	1.00	11.81	0210	ATC33	178.798	136.063	-6.939	1.00	11.81	0210
ATC34	179.042	136.372	-7.153	1.00	11.80	0210	ATC34	179.042	136.372	-7.153	1.00	11.80	0210
ATC35	179.286	136.681	-7.367	1.00	11.79	0210	ATC35	179.286	136.681	-7.367	1.00	11.79	0210
ATC36	179.530	136.990	-7.581	1.00	11.78	0210	ATC36	179.530	136.990	-7.581	1.00	11.78	0210
ATC37	179.774	137.299	-7.795	1.00	11.77	0210	ATC37	179.774	137.299	-7.795	1.00	11.77	0210
ATC38	180.018	137.608	-8.009	1.00	11.76	0210	ATC38	180.018	137.608	-8.009	1.00	11.76	0210
ATC39	180.262	137.917	-8.223	1.00	11.75	0210	ATC39	180.262	137.917	-8.223	1.00	11.75	0210
ATC40	180.506	138.226	-8.437	1.00	11.74	0210	ATC40	180.506	138.226	-8.437	1.00	11.74	0210
ATC41	180.750	138.535	-8.651	1.00	11.73	0210	ATC41	180.750	138.535	-8.651	1.00	11.73	0210
ATC42	180.994	138.844	-8.865	1.00	11.72	0210	ATC42	180.994	138.844	-8.865	1.00	11.72	0210
ATC43	181.238	139.153	-9.079	1.00	11.71	0210	ATC43	181.238	139.153	-9.079	1.00	11.71	0210
ATC44	181.482	139.462	-9.293	1.00	11.70	0210	ATC44	181.482	139.462	-9.293	1.00	11.70	0210
ATC45	181.726	139.771	-9.507	1.00	11.69	0210	ATC45	181.726	139.771	-9.507	1.00	11.69	0210
ATC46	181.970	140.080	-9.721	1.00	11.68	0210	ATC46	181.970	140.080	-9.721	1.00	11.68	0210
ATC47	182.214	140.389	-9.935	1.00	11.67	0210	ATC47	182.214	140.389	-9.935	1.00	11.67	0210
ATC48	182.458	140.698	-10.149	1.00	11.66	0210	ATC48	182.458	140.698	-10.149	1.00	11.66	0210
ATC49	182.702	141.007	-10.363	1.00	11.65	0210	ATC49	182.702	141.007	-10.363	1.00	11.65	0210
ATC50	182.946	141.316	-10.577	1.00	11.64	0210	ATC50	182.946	141.316	-10.577	1.00	11.64	0210
ATC51	183.190	141.625	-10.791	1.00	11.63	0210	ATC51	183.190	141.625	-10.791	1.00	11.63	0210
ATC52	183.434	141.934	-11.005	1.00	11.62	0210	ATC52	183.434	141.934	-11.005	1.00	11.62	0210
ATC53	183.678	142.243	-11.219	1.00	11.61	0210	ATC53	183.678	142.243	-11.219	1.00	11.61	0210
ATC54	183.922	142.552	-11.433	1.00	11.60	0210	ATC54	183.922	142.552	-11.433	1.00	11.60	0210
ATC55	184.166	142.861	-11.647	1.00	11.59	0210	ATC55	184.166	142.861	-11.647	1.00	11.59	0210
ATC56	184.410	143.170	-11.861	1.00	11.58	0210	ATC56	184.410	143.170	-11.861	1.00	11.58	0210
ATC57	184.654	143.479	-12.075	1.00	11.57	0210	ATC57	184.654	143.479	-12.075	1.00	11.57	0210
ATC58	184.898	143.788	-12.289	1.00	11.56	0210	ATC58	184.898	143.788	-12.289	1.00	11.56	0210
ATC59	185.142	144.097	-12.503	1.00	11.55	0210	ATC59	185.142	144.097	-12.503	1.00	11.55	0210
ATC60	185.386	144.406	-12.717	1.00	11.54	0210	ATC60	185.386	144.406	-12.717	1.00	11.54	0210
ATC61	185.630	144.715	-12.931	1.00	11.53	0210	ATC61	185.630	144.715	-12.931	1.00	11.53	0210
ATC62	185.874	145.024	-13.145	1.00	11.52	0210	ATC62	185.874	145.024	-13.145	1.00	11.52	0210
ATC63	186.118	145.333	-13.359	1.00	11.51	0210	ATC63	186.118	145.333	-13.359	1.00	11.51	0210
ATC64	186.362	145.642	-13.573	1.00	11.50	0210	ATC64	186.362	145.642	-13.573	1.00	11.50	0210
ATC65	186.606	145.951	-13.787	1.00	11.49	0210	ATC65	186.606	145.951	-13.787	1.00	11.49	0210
ATC66	186.850	146.260	-14.001	1.00	11.48	0210	ATC66	186.850	146.260	-14.001	1.00	11.48	0210
ATC67	187.094	146.569	-14.215	1.00	11.47	0210	ATC67	187.094	146.569	-14.215	1.00	11.47	0210
ATC68	187.338	146.878	-14.429	1.00	11.46	0210	ATC68	187.338	146.878	-14.429	1.00	11.46	0210
ATC69	187.582	147.187	-14.643	1.00	11.45	0210	ATC69	187.582	147.187	-14.643	1.00	11.45	0210
ATC70	187.826	147.496	-14.857	1.00	11.44	0210	ATC70	187.826	147.496	-14.857	1.00	11.44	0210
ATC71	188.070	147.805	-15.071	1.00	11.43	0210	ATC71	188.070	147.805	-15.071	1.00	11.43	0210
ATC72	188.314	148.114	-15.285	1.00	11.42	0210	ATC72	188.314	148.114	-15.285	1.00	11.42	0210
ATC73	188.558	148.423	-15.499	1.00	11.41	0210	ATC73	188.558	148.423	-15.499	1.00	11.41	0210
ATC74	188.802	148.732	-15.713	1.00	11.40	0210	ATC74	188.802	148.732	-15.713	1.00	11.40	0210
ATC75	189.046	149.041	-15.927	1.00	11.39	0210	ATC75	189.046	149.041	-15.927	1.00	11.39	0210
ATC76	189.290	149.350	-16.141	1.00	11.38	0210	ATC76	189.290	149.350	-16.141	1.00	11.38	0210
ATC77	189.534	149.659	-16.355	1.00	11.37	0210	ATC77	189.534	149.659	-16.355	1.00	11.37	0210
ATC78	189.778	149.968	-16.569	1.00	11.36	0210	ATC78	189.778	149.968	-16.569	1.00	11.36	0210
ATC79	190.022	150.277	-16.783	1.00	11.35	0210	ATC79	190.022	150.277	-16.783	1.00	11.35	0210
ATC80	190.266	150.586	-16.997	1.00	11.34	0210	ATC80	190.266	150.586	-16.997	1.00	11.34	0210
ATC81	190.510	150.895	-17.211	1.00	11.33	0210	ATC81	190.510	150.895	-17.211	1.00	11.33	0210
ATC82	190.754	151.204	-17.425	1.00	11.32	0210	ATC82	190.754	151.204	-17.425	1.00	11.32	0210
ATC83	190.998	151.513	-17.639	1.00	11.31	0210	ATC83	190.998	151.513	-17.639	1.00	11.31	0210
ATC84	191.242	151.822	-17.853	1.00	11.30	0210	ATC84	191.242	151.822	-17.853	1.00	11.30	0210
ATC85	191.486	152.131	-18.067</										

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AT00	0213	CA	002	12	731.468	91.243	5.187	1.00136,42	7219	AT00	0716	CA	002	19	241.264	162.340	-7.913	1.00011,30	7220
AT00	0218	CA	002	02	730.751	90.253	5.184	1.00136,42	7221	AT00	0717	CA	002	19	241.264	162.340	-7.913	1.00011,30	7221
AT00	0219	CA	002	03	729.724	91.278	5.176	1.00136,42	7222	AT00	0718	CA	002	19	241.264	162.340	-7.913	1.00011,30	7222
AT00	0220	CA	002	04	728.700	92.294	5.131	1.00136,42	7223	AT00	0719	CA	002	19	241.264	162.340	-7.913	1.00011,30	7223
AT00	0221	CA	002	05	727.676	93.310	5.127	1.00136,42	7224	AT00	0720	CA	002	19	241.264	162.340	-7.913	1.00011,30	7224
AT00	0222	CA	002	06	726.652	94.327	5.100	1.00136,42	7225	AT00	0721	CA	002	19	241.264	162.340	-7.913	1.00011,30	7225
AT00	0223	CA	002	07	725.628	95.343	5.084	1.00136,42	7226	AT00	0722	CA	002	19	241.264	162.340	-7.913	1.00011,30	7226
AT00	0224	CA	002	08	724.604	96.359	5.068	1.00136,42	7227	AT00	0723	CA	002	19	241.264	162.340	-7.913	1.00011,30	7227
AT00	0225	CA	002	09	723.580	97.375	5.052	1.00136,42	7228	AT00	0724	CA	002	19	241.264	162.340	-7.913	1.00011,30	7228
AT00	0226	CA	002	10	722.556	98.391	5.036	1.00136,42	7229	AT00	0725	CA	002	19	241.264	162.340	-7.913	1.00011,30	7229
AT00	0227	CA	002	11	721.532	99.407	5.020	1.00136,42	7230	AT00	0726	CA	002	19	241.264	162.340	-7.913	1.00011,30	7230
AT00	0228	CA	002	12	720.508	100.423	5.004	1.00136,42	7231	AT00	0727	CA	002	19	241.264	162.340	-7.913	1.00011,30	7231
AT00	0229	CA	002	13	719.484	101.439	4.988	1.00136,42	7232	AT00	0728	CA	002	19	241.264	162.340	-7.913	1.00011,30	7232
AT00	0230	CA	002	14	718.460	102.455	4.972	1.00136,42	7233	AT00	0729	CA	002	19	241.264	162.340	-7.913	1.00011,30	7233
AT00	0231	CA	002	15	717.436	103.471	4.956	1.00136,42	7234	AT00	0730	CA	002	19	241.264	162.340	-7.913	1.00011,30	7234
AT00	0232	CA	002	16	716.412	104.487	4.940	1.00136,42	7235	AT00	0731	CA	002	19	241.264	162.340	-7.913	1.00011,30	7235
AT00	0233	CA	002	17	715.388	105.503	4.924	1.00136,42	7236	AT00	0732	CA	002	19	241.264	162.340	-7.913	1.00011,30	7236
AT00	0234	CA	002	18	714.364	106.519	4.908	1.00136,42	7237	AT00	0733	CA	002	19	241.264	162.340	-7.913	1.00011,30	7237
AT00	0235	CA	002	19	713.340	107.535	4.892	1.00136,42	7238	AT00	0734	CA	002	19	241.264	162.340	-7.913	1.00011,30	7238
AT00	0236	CA	002	20	712.316	108.551	4.876	1.00136,42	7239	AT00	0735	CA	002	19	241.264	162.340	-7.913	1.00011,30	7239
AT00	0237	CA	002	21	711.292	109.567	4.860	1.00136,42	7240	AT00	0736	CA	002	19	241.264	162.340	-7.913	1.00011,30	7240
AT00	0238	CA	002	22	710.268	110.583	4.844	1.00136,42	7241	AT00	0737	CA	002	19	241.264	162.340	-7.913	1.00011,30	7241
AT00	0239	CA	002	23	709.244	111.599	4.828	1.00136,42	7242	AT00	0738	CA	002	19	241.264	162.340	-7.913	1.00011,30	7242
AT00	0240	CA	002	24	708.220	112.615	4.812	1.00136,42	7243	AT00	0739	CA	002	19	241.264	162.340	-7.913	1.00011,30	7243
AT00	0241	CA	002	25	707.196	113.631	4.796	1.00136,42	7244	AT00	0740	CA	002	19	241.264	162.340	-7.913	1.00011,30	7244
AT00	0242	CA	002	26	706.172	114.647	4.780	1.00136,42	7245	AT00	0741	CA	002	19	241.264	162.340	-7.913	1.00011,30	7245
AT00	0243	CA	002	27	705.148	115.663	4.764	1.00136,42	7246	AT00	0742	CA	002	19	241.264	162.340	-7.913	1.00011,30	7246
AT00	0244	CA	002	28	704.124	116.679	4.748	1.00136,42	7247	AT00	0743	CA	002	19	241.264	162.340	-7.913	1.00011,30	7247
AT00	0245	CA	002	29	703.100	117.695	4.732	1.00136,42	7248	AT00	0744	CA	002	19	241.264	162.340	-7.913	1.00011,30	7248
AT00	0246	CA	002	30	702.076	118.711	4.716	1.00136,42	7249	AT00	0745	CA	002	19	241.264	162.340	-7.913	1.00011,30	7249
AT00	0247	CA	002	31	701.052	119.727	4.700	1.00136,42	7250	AT00	0746	CA	002	19	241.264	162.340	-7.913	1.00011,30	7250
AT00	0248	CA	002	32	700.028	120.743	4.684	1.00136,42	7251	AT00	0747	CA	002	19	241.264	162.340	-7.913	1.00011,30	7251
AT00	0249	CA	002	33	699.004	121.759	4.668	1.00136,42	7252	AT00	0748	CA	002	19	241.264	162.340	-7.913	1.00011,30	7252
AT00	0250	CA	002	34	697.980	122.775	4.652	1.00136,42	7253	AT00	0749	CA	002	19	241.264	162.340	-7.913	1.00011,30	7253
AT00	0251	CA	002	35	696.956	123.791	4.636	1.00136,42	7254	AT00	0750	CA	002	19	241.264	162.340	-7.913	1.00011,30	7254
AT00	0252	CA	002	36	695.932	124.807	4.620	1.00136,42	7255	AT00	0751	CA	002	19	241.264	162.340	-7.913	1.00011,30	7255
AT00	0253	CA	002	37	694.908	125.823	4.604	1.00136,42	7256	AT00	0752	CA	002	19	241.264	162.340	-7.913	1.00011,30	7256
AT00	0254	CA	002	38	693.884	126.839	4.588	1.00136,42	7257	AT00	0753	CA	002	19	241.264	162.340	-7.913	1.00011,30	7257
AT00	0255	CA	002	39	692.860	127.855	4.572	1.00136,42	7258	AT00	0754	CA	002	19	241.264	162.340	-7.913	1.00011,30	7258
AT00	0256	CA	002	40	691.836	128.871	4.556	1.00136,42	7259	AT00	0755	CA	002	19	241.264	162.340	-7.913	1.00011,30	7259
AT00	0257	CA	002	41	690.812	129.887	4.540	1.00136,42	7260	AT00	0756	CA	002	19	241.264	162.340	-7.913	1.00011,30	7260
AT00	0258	CA	002	42	689.788	130.903	4.524	1.00136,42	7261	AT00	0757	CA	002	19	241.264	162.340	-7.913	1.00011,30	7261
AT00	0259	CA	002	43	688.764	131.919	4.508	1.00136,42	7262	AT00	0758	CA	002	19	241.264	162.340	-7.913	1.00011,30	7262
AT00	0260	CA	002	44	687.740	132.935	4.492	1.00136,42	7263	AT00	0759	CA	002	19	241.264	162.340	-7.913	1.00011,30	7263
AT00	0261	CA	002	45	686.716	133.951	4.476	1.00136,42	7264	AT00	0760	CA	002	19	241.264	162.340	-7.913	1.00011,30	7264
AT00	0262	CA	002	46	685.692	134.967	4.460	1.00136,42	7265	AT00	0761	CA	002	19	241.264	162.340	-7.913	1.00011,30	7265
AT00	0263	CA	002	47	684.668	135.983	4.444	1.00136,42	7266	AT00	0762	CA	002	19	241.264	162.340	-7.913	1.00011,30	7266
AT00	0264	CA	002	48	683.644	136.999	4.428	1.00136,42	7267	AT00	0763	CA	002	19	241.264	162.340	-7.913	1.00011,30	7267
AT00	0265	CA	002	49	682.620	138.015	4.412	1.00136,42	7268	AT00	0764	CA	002	19	241.264	162.340	-7.913	1.00011,30	7268
AT00	0266	CA	002	50	681.596	139.031	4.396	1.00136,42	7269	AT00	0765	CA	002	19	241.264	162.340	-7.913	1.00011,30	7269
AT00	0267	CA	002	51	680.572	140.047	4.380	1.00136,42	7270	AT00	0766	CA	002	19	241.264	162.340	-7.913	1.00011,30	7270
AT00	0268	CA	002	52	679.548	141.063	4.364	1.00136,42	7271	AT00	0767	CA	002	19	241.264	162.340	-7.913	1.00011,30	7271
AT00	0269	CA	002	53	678.524	142.079	4.348	1.00136,42	7272	AT00	0768	CA	002	19	241.264	162.340	-7.913	1.00011,30	7272
AT00	0270	CA	002	54	677.500	143.095	4.332	1.00136,42	7273	AT00	0769	CA	002	19	241.264	162.340	-7.913	1.00011,30	7273
AT00	0271	CA	002	55	676.476	144.111	4.316	1.00136,42	7274	AT00	0770	CA	002	19	241.264	162.340	-7.913	1.00011,30	7274
AT00	0272	CA	002	56	675.452	145.127	4.300	1.00136,42	7275	AT00	0771	CA	002	19	241.264	162.340	-7.913	1.00011,30	7275
AT00	0273	CA	002	57	674.428	146.143	4.284	1.00136,42	7276	AT00	0772	CA	002	19	241.264	162.340	-7.913	1.00011,30	7276
AT00	0274	CA	002	58	673.404	147.159	4.268	1.00136,42	7277	AT00	0773	CA	002	19	241.264	162.340	-7.913	1.00011,30	7277
AT00	0275	CA	002	59	672.380	148.175	4.252	1.00136,42	7278	AT00	0774	CA	002	19	241.264	162.340	-7.913	1.00011,30	7278
AT00	0276	CA	002	60	671.356	149.191	4.236	1.00136,42	7279	AT00	0775	CA	002	19	241.264	162.340	-7.913	1.00011,30	7279
AT00	0277	CA	002	61	670.332	150.207	4.220	1.00136,42	7280	AT00	0776	CA	002	19	241.264	162.340	-7.913	1.00011,30	7280
AT00	0278	CA	002	62	669.308	151.223	4.204	1.00136,42	7281	AT00	0777	CA	002	19	241.264	162.340	-7.913	1.00011,30	7281
AT00																			

AT00	7110	0	770	79	740.362	156.266	-4.175	1.00	75.46	113
AT00	7111	0	770	79	740.376	155.283	-4.171	1.00	75.44	113
AT00	7112	0	770	79	740.390	154.299	-4.167	1.00	75.42	113
AT00	7113	0	770	79	740.404	153.316	-4.163	1.00	75.40	113
AT00	7114	0	770	79	740.418	152.332	-4.159	1.00	75.38	113
AT00	7115	0	770	79	740.432	151.349	-4.155	1.00	75.36	113
AT00	7116	0	770	79	740.446	150.365	-4.151	1.00	75.34	113
AT00	7117	0	770	79	740.460	149.382	-4.147	1.00	75.32	113
AT00	7118	0	770	79	740.474	148.398	-4.143	1.00	75.30	113
AT00	7119	0	770	79	740.488	147.415	-4.139	1.00	75.28	113
AT00	7120	0	770	79	740.502	146.431	-4.135	1.00	75.26	113
AT00	7121	0	770	79	740.516	145.448	-4.131	1.00	75.24	113
AT00	7122	0	770	79	740.530	144.464	-4.127	1.00	75.22	113
AT00	7123	0	770	79	740.544	143.481	-4.123	1.00	75.20	113
AT00	7124	0	770	79	740.558	142.497	-4.119	1.00	75.18	113
AT00	7125	0	770	79	740.572	141.514	-4.115	1.00	75.16	113
AT00	7126	0	770	79	740.586	140.530	-4.111	1.00	75.14	113
AT00	7127	0	770	79	740.600	139.547	-4.107	1.00	75.12	113
AT00	7128	0	770	79	740.614	138.563	-4.103	1.00	75.10	113
AT00	7129	0	770	79	740.628	137.580	-4.099	1.00	75.08	113
AT00	7130	0	770	79	740.642	136.596	-4.095	1.00	75.06	113
AT00	7131	0	770	79	740.656	135.613	-4.091	1.00	75.04	113
AT00	7132	0	770	79	740.670	134.629	-4.087	1.00	75.02	113
AT00	7133	0	770	79	740.684	133.646	-4.083	1.00	75.00	113
AT00	7134	0	770	79	740.698	132.662	-4.079	1.00	74.98	113
AT00	7135	0	770	79	740.712	131.679	-4.075	1.00	74.96	113
AT00	7136	0	770	79	740.726	130.695	-4.071	1.00	74.94	113
AT00	7137	0	770	79	740.740	129.712	-4.067	1.00	74.92	113
AT00	7138	0	770	79	740.754	128.728	-4.063	1.00	74.90	113
AT00	7139	0	770	79	740.768	127.745	-4.059	1.00	74.88	113
AT00	7140	0	770	79	740.782	126.761	-4.055	1.00	74.86	113
AT00	7141	0	770	79	740.796	125.778	-4.051	1.00	74.84	113
AT00	7142	0	770	79	740.810	124.794	-4.047	1.00	74.82	113
AT00	7143	0	770	79	740.824	123.811	-4.043	1.00	74.80	113
AT00	7144	0	770	79	740.838	122.827	-4.039	1.00	74.78	113
AT00	7145	0	770	79	740.852	121.844	-4.035	1.00	74.76	113
AT00	7146	0	770	79	740.866	120.860	-4.031	1.00	74.74	113
AT00	7147	0	770	79	740.880	119.877	-4.027	1.00	74.72	113
AT00	7148	0	770	79	740.894	118.893	-4.023	1.00	74.70	113
AT00	7149	0	770	79	740.908	117.910	-4.019	1.00	74.68	113
AT00	7150	0	770	79	740.922	116.926	-4.015	1.00	74.66	113
AT00	7151	0	770	79	740.936	115.943	-4.011	1.00	74.64	113
AT00	7152	0	770	79	740.950	114.959	-4.007	1.00	74.62	113
AT00	7153	0	770	79	740.964	113.976	-4.003	1.00	74.60	113
AT00	7154	0	770	79	740.978	112.992	-4.000	1.00	74.58	113
AT00	7155	0	770	79	740.992	112.009	-3.996	1.00	74.56	113
AT00	7156	0	770	79	741.006	111.025	-3.992	1.00	74.54	113
AT00	7157	0	770	79	741.020	110.042	-3.988	1.00	74.52	113
AT00	7158	0	770	79	741.034	109.058	-3.984	1.00	74.50	113
AT00	7159	0	770	79	741.048	108.075	-3.980	1.00	74.48	113
AT00	7160	0	770	79	741.062	107.091	-3.976	1.00	74.46	113
AT00	7161	0	770	79	741.076	106.108	-3.972	1.00	74.44	113
AT00	7162	0	770	79	741.090	105.124	-3.968	1.00	74.42	113
AT00	7163	0	770	79	741.104	104.141	-3.964	1.00	74.40	113
AT00	7164	0	770	79	741.118	103.157	-3.960	1.00	74.38	113
AT00	7165	0	770	79	741.132	102.174	-3.956	1.00	74.36	113
AT00	7166	0	770	79	741.146	101.190	-3.952	1.00	74.34	113
AT00	7167	0	770	79	741.160	100.207	-3.948	1.00	74.32	113
AT00	7168	0	770	79	741.174	99.223	-3.944	1.00	74.30	113
AT00	7169	0	770	79	741.188	98.240	-3.940	1.00	74.28	113
AT00	7170	0	770	79	741.202	97.256	-3.936	1.00	74.26	113
AT00	7171	0	770	79	741.216	96.273	-3.932	1.00	74.24	113
AT00	7172	0	770	79	741.230	95.289	-3.928	1.00	74.22	113
AT00	7173	0	770	79	741.244	94.306	-3.924	1.00	74.20	113
AT00	7174	0	770	79	741.258	93.322	-3.920	1.00	74.18	113
AT00	7175	0	770	79	741.272	92.339	-3.916	1.00	74.16	113
AT00	7176	0	770	79	741.286	91.355	-3.912	1.00	74.14	113
AT00	7177	0	770	79	741.300	90.372	-3.908	1.00	74.12	113
AT00	7178	0	770	79	741.314	89.388	-3.904	1.00	74.10	113
AT00	7179	0	770	79	741.328	88.405	-3.900	1.00	74.08	113
AT00	7180	0	770	79	741.342	87.421	-3.896	1.00	74.06	113
AT00	7181	0	770	79	741.356	86.438	-3.892	1.00	74.04	113
AT00	7182	0	770	79	741.370	85.454	-3.888	1.00	74.02	113
AT00	7183	0	770	79	741.384	84.471	-3.884	1.00	74.00	113
AT00	7184	0	770	79	741.398	83.487	-3.880	1.00	73.98	113
AT00	7185	0	770	79	741.412	82.504	-3.876	1.00	73.96	113
AT00	7186	0	770	79	741.426	81.520	-3.872	1.00	73.94	113
AT00	7187	0	770	79	741.440	80.537	-3.868	1.00	73.92	113
AT00	7188	0	770	79	741.454	79.553	-3.864	1.00	73.90	113
AT00	7189	0	770	79	741.468	78.570	-3.860	1.00	73.88	113
AT00	7190	0	770	79	741.482	77.586	-3.856	1.00	73.86	113
AT00	7191	0	770	79	741.496	76.603	-3.852	1.00	73.84	113
AT00	7192	0	770	79	741.510	75.619	-3.848	1.00	73.82	113
AT00	7193	0	770	79	741.524	74.636	-3.844	1.00	73.80	113
AT00	7194	0	770	79	741.538	73.652	-3.840	1.00	73.78	113
AT00	7195	0	770	79	741.552	72.669	-3.836	1.00	73.76	113
AT00	7196	0	770	79	741.566	71.685	-3.832	1.00	73.74	113
AT00	7197	0	770	79	741.580	70.702	-3.828	1.00	73.72	113
AT00	7198	0	770	79	741.594	69.718	-3.824	1.00	73.70	113
AT00	7199	0	770	79	741.608	68.735	-3.820	1.00	73.68	113
AT00	7200	0	770	79	741.622	67.751	-3.816	1.00	73.66	113
AT00	7201	0	770	79	741.636	66.768	-3.812	1.00	73.64	113
AT00	7202	0	770	79	741.650	65.784	-3.808	1.00	73.62	113
AT00	7203	0	770	79	741.664	64.801	-3.804	1.00	73.60	113
AT00	7204	0	770	79	741.678	63.817	-3.800	1.00	73.58	113
AT00	7205	0	770	79	741.692	62.834	-3.796	1.00	73.56	113
AT00	7206	0	770	79	741.706	61.850	-3.792	1.00	73.54	113
AT00	7207	0	770	79	741.720	60.867	-3.788	1.00	73.52	113
AT00	7208	0	770	79	741.734	59.883	-3.784	1.00	73.50	113
AT00	7209	0	770	79	741.748	58.900	-3.780	1.00	73.48	113
AT00	7210	0	770	79	741.762	57.916	-3.776	1.00	73.46	113
AT00	7211	0	770	79	741.776	56.933	-3.772	1.00	73.44	113
AT00	7212	0	770	79	741.790	55.949	-3.768	1.00	73.42	113
AT00	7213	0	770	79	741.804	54.966	-3.764	1.00	73.40	113
AT00	7214	0	770	79	741.818	53.982	-3.760	1.00	73.38	113
AT00	7215	0	770	79	741.832	53.000	-3.756	1.00	73.36	113
AT00	7216	0	770	79	741.846	52.016	-3.752	1.00	73.34	113
AT00	7217	0	770	79	741.860	51.033	-3.748	1.00	73.32	113
AT00	7218	0	770	79	741.874	50.049	-3.744	1.00	73.30	113
AT00	7219	0	770	79	741.888	49.066	-3.740	1.00	73.28	113
AT00	7220	0	770	79	741.902	48.082	-3.736	1.00	73.26	113
AT00	7221	0	770	79	741.916	47.099	-3.732	1.00	73.24	113
AT00	7222	0	770	79	741.930	46.115	-3.728	1.00	73.22	113
AT00	7223	0	770	79	741.944	45.132	-3.724	1.00	73.20	113
AT00	7224	0	770	79	741.958	44.148	-3.720	1.00	73.18	113
AT00	7225	0	770	79	741.972	43.165	-3.716	1.00	73.16	113
AT00	7226	0	770	79	741.986	42.181	-3.712	1.00	73.14	113
AT00	7227	0	770	79	741.999	41.200	-3.708	1.00	73.12	113
AT00	7228	0	770	79	742.013	40.216				

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1. The first part of the document is a title page. It contains the title of the document, the author's name, and the date of the document. The title is "The First Part of the Document". The author's name is "John Doe". The date is "1/1/2020".

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ATCO 13171	CA	ADP	7	173.805	114.764	-80.251	1.00	71.96	750	ATCO 13118	CA	ADP	75	174.021	115.364	-80.000	1.00	72.34	750
ATCO 13172	CA	ADP	7	174.009	114.782	-80.261	1.00	71.96	750	ATCO 13119	CA	ADP	75	174.200	116.000	-79.959	1.00	72.64	750
ATCO 13173	CA	ADP	7	174.095	114.817	-80.000	1.00	71.96	750	ATCO 13120	CA	ADP	75	174.380	116.639	-79.974	1.00	72.95	750
ATCO 13174	CA	ADP	7	174.162	114.811	-80.175	1.00	71.96	750	ATCO 13121	CA	ADP	75	174.421	116.370	-79.974	1.00	72.95	750
ATCO 13175	CA	ADP	7	174.200	114.810	-80.100	1.00	71.96	750	ATCO 13122	CA	ADP	75	174.500	116.249	-79.979	1.00	72.95	750
ATCO 13176	CA	ADP	7	174.237	114.800	-80.000	1.00	71.96	750	ATCO 13123	CA	ADP	75	174.580	116.128	-79.984	1.00	72.95	750
ATCO 13177	CA	ADP	7	174.274	114.811	-80.075	1.00	71.96	750	ATCO 13124	CA	ADP	75	174.660	116.007	-79.989	1.00	72.95	750
ATCO 13178	CA	ADP	7	174.311	114.810	-80.150	1.00	71.96	750	ATCO 13125	CA	ADP	75	174.740	115.886	-79.994	1.00	72.95	750
ATCO 13179	CA	ADP	7	174.348	114.810	-80.225	1.00	71.96	750	ATCO 13126	CA	ADP	75	174.820	115.765	-79.999	1.00	72.95	750
ATCO 13180	CA	ADP	7	174.385	114.810	-80.300	1.00	71.96	750	ATCO 13127	CA	ADP	75	174.900	115.644	-79.999	1.00	72.95	750
ATCO 13181	CA	ADP	7	174.422	114.810	-80.375	1.00	71.96	750	ATCO 13128	CA	ADP	75	174.980	115.523	-79.999	1.00	72.95	750
ATCO 13182	CA	ADP	7	174.459	114.810	-80.450	1.00	71.96	750	ATCO 13129	CA	ADP	75	175.060	115.402	-79.999	1.00	72.95	750
ATCO 13183	CA	ADP	7	174.496	114.810	-80.525	1.00	71.96	750	ATCO 13130	CA	ADP	75	175.140	115.281	-79.999	1.00	72.95	750
ATCO 13184	CA	ADP	7	174.533	114.810	-80.600	1.00	71.96	750	ATCO 13131	CA	ADP	75	175.220	115.160	-79.999	1.00	72.95	750
ATCO 13185	CA	ADP	7	174.570	114.810	-80.675	1.00	71.96	750	ATCO 13132	CA	ADP	75	175.300	115.039	-79.999	1.00	72.95	750
ATCO 13186	CA	ADP	7	174.607	114.810	-80.750	1.00	71.96	750	ATCO 13133	CA	ADP	75	175.380	114.918	-79.999	1.00	72.95	750
ATCO 13187	CA	ADP	7	174.644	114.810	-80.825	1.00	71.96	750	ATCO 13134	CA	ADP	75	175.460	114.797	-79.999	1.00	72.95	750
ATCO 13188	CA	ADP	7	174.681	114.810	-80.900	1.00	71.96	750	ATCO 13135	CA	ADP	75	175.540	114.676	-79.999	1.00	72.95	750
ATCO 13189	CA	ADP	7	174.718	114.810	-80.975	1.00	71.96	750	ATCO 13136	CA	ADP	75	175.620	114.555	-79.999	1.00	72.95	750
ATCO 13190	CA	ADP	7	174.755	114.810	-81.050	1.00	71.96	750	ATCO 13137	CA	ADP	75	175.700	114.434	-79.999	1.00	72.95	750
ATCO 13191	CA	ADP	7	174.792	114.810	-81.125	1.00	71.96	750	ATCO 13138	CA	ADP	75	175.780	114.313	-79.999	1.00	72.95	750
ATCO 13192	CA	ADP	7	174.829	114.810	-81.200	1.00	71.96	750	ATCO 13139	CA	ADP	75	175.860	114.192	-79.999	1.00	72.95	750
ATCO 13193	CA	ADP	7	174.866	114.810	-81.275	1.00	71.96	750	ATCO 13140	CA	ADP	75	175.940	114.071	-79.999	1.00	72.95	750
ATCO 13194	CA	ADP	7	174.903	114.810	-81.350	1.00	71.96	750	ATCO 13141	CA	ADP	75	176.020	113.950	-79.999	1.00	72.95	750
ATCO 13195	CA	ADP	7	174.940	114.810	-81.425	1.00	71.96	750	ATCO 13142	CA	ADP	75	176.100	113.829	-79.999	1.00	72.95	750
ATCO 13196	CA	ADP	7	174.977	114.810	-81.500	1.00	71.96	750	ATCO 13143	CA	ADP	75	176.180	113.708	-79.999	1.00	72.95	750
ATCO 13197	CA	ADP	7	175.014	114.810	-81.575	1.00	71.96	750	ATCO 13144	CA	ADP	75	176.260	113.587	-79.999	1.00	72.95	750
ATCO 13198	CA	ADP	7	175.051	114.810	-81.650	1.00	71.96	750	ATCO 13145	CA	ADP	75	176.340	113.466	-79.999	1.00	72.95	750
ATCO 13199	CA	ADP	7	175.088	114.810	-81.725	1.00	71.96	750	ATCO 13146	CA	ADP	75	176.420	113.345	-79.999	1.00	72.95	750
ATCO 13200	CA	ADP	7	175.125	114.810	-81.800	1.00	71.96	750	ATCO 13147	CA	ADP	75	176.500	113.224	-79.999	1.00	72.95	750
ATCO 13201	CA	ADP	7	175.162	114.810	-81.875	1.00	71.96	750	ATCO 13148	CA	ADP	75	176.580	113.103	-79.999	1.00	72.95	750
ATCO 13202	CA	ADP	7	175.199	114.810	-81.950	1.00	71.96	750	ATCO 13149	CA	ADP	75	176.660	112.982	-79.999	1.00	72.95	750
ATCO 13203	CA	ADP	7	175.236	114.810	-82.025	1.00	71.96	750	ATCO 13150	CA	ADP	75	176.740	112.861	-79.999	1.00	72.95	750
ATCO 13204	CA	ADP	7	175.273	114.810	-82.100	1.00	71.96	750	ATCO 13151	CA	ADP	75	176.820	112.740	-79.999	1.00	72.95	750
ATCO 13205	CA	ADP	7	175.310	114.810	-82.175	1.00	71.96	750	ATCO 13152	CA	ADP	75	176.900	112.619	-79.999	1.00	72.95	750
ATCO 13206	CA	ADP	7	175.347	114.810	-82.250	1.00	71.96	750	ATCO 13153	CA	ADP	75	176.980	112.498	-79.999	1.00	72.95	750
ATCO 13207	CA	ADP	7	175.384	114.810	-82.325	1.00	71.96	750	ATCO 13154	CA	ADP	75	177.060	112.377	-79.999	1.00	72.95	750
ATCO 13208	CA	ADP	7	175.421	114.810	-82.400	1.00	71.96	750	ATCO 13155	CA	ADP	75	177.140	112.256	-79.999	1.00	72.95	750
ATCO 13209	CA	ADP	7	175.458	114.810	-82.475	1.00	71.96	750	ATCO 13156	CA	ADP	75	177.220	112.135	-79.999	1.00	72.95	750
ATCO 13210	CA	ADP	7	175.495	114.810	-82.550	1.00	71.96	750	ATCO 13157	CA	ADP	75	177.300	112.014	-79.999	1.00	72.95	750
ATCO 13211	CA	ADP	7	175.532	114.810	-82.625	1.00	71.96	750	ATCO 13158	CA	ADP	75	177.380	111.893	-79.999	1.00	72.95	750
ATCO 13212	CA	ADP	7	175.569	114.810	-82.700	1.00	71.96	750	ATCO 13159	CA	ADP	75	177.460	111.772	-79.999	1.00	72.95	750
ATCO 13213	CA	ADP	7	175.606	114.810	-82.775	1.00	71.96	750	ATCO 13160	CA	ADP	75	177.540	111.651	-79.999	1.00	72.95	750
ATCO 13214	CA	ADP	7	175.643	114.810	-82.850	1.00	71.96	750	ATCO 13161	CA	ADP	75	177.620	111.530	-79.999	1.00	72.95	750
ATCO 13215	CA	ADP	7	175.680	114.810	-82.925	1.00	71.96	750	ATCO 13162	CA	ADP	75	177.700	111.409	-79.999	1.00	72.95	750
ATCO 13216	CA	ADP	7	175.717	114.810	-83.000	1.00	71.96	750	ATCO 13163	CA	ADP	75	177.780	111.288	-79.999	1.00	72.95	750
ATCO 13217	CA	ADP	7	175.754	114.810	-83.075	1.00	71.96	750	ATCO 13164	CA	ADP	75	177.860	111.167	-79.999	1.00	72.95	750
ATCO 13218	CA	ADP	7	175.791	114.810	-83.150	1.00	71.96	750	ATCO 13165	CA	ADP	75	177.940	111.046	-79.999	1.00	72.95	750
ATCO 13219	CA	ADP	7	175.828	114.810	-83.225	1.00	71.96	750	ATCO 13166	CA	ADP	75	178.020	110.925	-79.999	1.00	72.95	750
ATCO 13220	CA	ADP	7	175.865	114.810	-83.300	1.00	71.96	750	ATCO 13167	CA	ADP	75	178.100	110.804	-79.999	1.00	72.95	750
ATCO 13221	CA	ADP	7	175.902	114.810	-83.375	1.00	71.96	750	ATCO 13168	CA	ADP	75	178.180	110.683	-79.999	1.00	72.95	750
ATCO 13222	CA	ADP	7	175.939	114.810	-83.450	1.00	71.96	750	ATCO 13169	CA	ADP	75	178.260	110.562	-79.999	1.00	72.95	750
ATCO 13223	CA	ADP	7	175.976	114.810	-83.525	1.00	71.96	750	ATCO 13170	CA	ADP	75	178.340	110.441	-79.999	1.00	72.95	750
ATCO 13224	CA	ADP	7	176.013	114.810	-83.600	1.00	71.96	750	ATCO 13171	CA	ADP	75	178.420	110.320	-79.999	1.00	72.95	750
ATCO 13225	CA	ADP	7	176.050	114.810	-83.675	1.00	71.96	750	ATCO 13172	CA	ADP	75	178.500	110.199	-79.999	1.00	72.95	750
ATCO 13226	CA	ADP	7	176.087	114.810	-83.750	1.00	71.96	750	ATCO 13173	CA	ADP	75	178.580	110.078	-79.999	1.00	72.95	750
ATCO 13227	CA	ADP	7	176.124	114.810	-83.825	1.00	71.96	750	ATCO 13174	CA	ADP	75	178.660	109.957	-79.999	1.00	72.95	750
ATCO 13228	CA	ADP	7	176.161	114.810	-83.900	1.00	71.96	750	ATCO 13175	CA	ADP	75	178.740	109.836	-79.999	1.00	72.95	750
ATCO 13229	CA	ADP	7	176.198	114.810	-83.975	1.00	71.96	750	ATCO 13176	CA	ADP	75	178.820	109.715	-79.999	1.00	72.95	750
ATCO 13230	CA	ADP	7	176.235	114.810	-84.050	1.00	71.96	750	ATCO 13177	CA	ADP	75	178.900	109.594	-79.999	1.00	72.95	750
ATCO 13231	CA	ADP	7	176.272	114.810	-84.125	1.00	71.96	750	ATCO 13178	CA	ADP	75	178.980	109.473	-79.999	1.00	72.95	750
ATCO 13232	CA	ADP	7	176.309	114.810	-84.200	1.00	71.96	750	ATCO 13179	CA	ADP	75	179.060	109.352	-79.999	1.00	72.95	750
ATCO 13233	CA	ADP	7	176.346	114.810	-84.275	1.00	71.96	750	ATCO 13180	CA	ADP	75	179.140	109.231	-79.999	1.00	72.95	750
ATCO 13234	CA	ADP	7	176.383	114.810	-84.350	1.00	71.96	750	ATCO 13181	CA	ADP	75	179.220	109.110	-79.999	1.00	72.95	750
ATCO 13235	CA	ADP																	

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AT01	13111	CC	WAL	57	279,291	123,975	-8,860	1,00	76,30	0013	AT02	13203	C	WAL	64	275,325	124,514	-6,320	1,00	95,00	0011
AT02	13112	CC	WAL	57	273,418	123,291	-7,310	1,00	76,30	0013	AT03	13204	C	WAL	64	276,943	126,946	-7,130	1,00	95,00	0011
AT03	13113	CC	WAL	57	273,000	123,634	-7,223	1,00	76,30	0013	AT04	13205	C	WAL	64	276,180	126,643	-5,136	1,00	97,12	0013
AT04	13114	CC	WAL	57	274,812	123,975	-7,216	1,00	76,30	0013	AT05	13206	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT05	13115	CC	WAL	57	276,167	124,318	-7,216	1,00	76,30	0013	AT06	13207	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT06	13116	CC	WAL	57	277,011	124,363	-7,203	1,00	76,30	0013	AT07	13208	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT07	13117	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT08	13209	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT08	13118	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT09	13210	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT09	13119	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT10	13211	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT10	13120	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT11	13212	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT11	13121	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT12	13213	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT12	13122	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT13	13214	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT13	13123	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT14	13215	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT14	13124	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT15	13216	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT15	13125	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT16	13217	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT16	13126	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT17	13218	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT17	13127	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT18	13219	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT18	13128	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT19	13220	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT19	13129	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT20	13221	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT20	13130	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT21	13222	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT21	13131	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT22	13223	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT22	13132	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT23	13224	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT23	13133	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT24	13225	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT24	13134	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT25	13226	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT25	13135	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT26	13227	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT26	13136	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT27	13228	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT27	13137	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT28	13229	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT28	13138	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT29	13230	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT29	13139	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT30	13231	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT30	13140	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT31	13232	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT31	13141	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT32	13233	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT32	13142	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT33	13234	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT33	13143	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT34	13235	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT34	13144	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT35	13236	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT35	13145	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT36	13237	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT36	13146	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT37	13238	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT37	13147	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT38	13239	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT38	13148	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT39	13240	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT39	13149	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT40	13241	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT40	13150	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT41	13242	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT41	13151	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT42	13243	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT42	13152	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT43	13244	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT43	13153	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT44	13245	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT44	13154	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT45	13246	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT45	13155	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT46	13247	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT46	13156	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT47	13248	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT47	13157	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT48	13249	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT48	13158	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT49	13250	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT49	13159	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT50	13251	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT50	13160	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT51	13252	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT51	13161	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT52	13253	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT52	13162	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT53	13254	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT53	13163	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT54	13255	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT54	13164	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT55	13256	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT55	13165	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT56	13257	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT56	13166	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT57	13258	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT57	13167	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT58	13259	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT58	13168	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT59	13260	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT59	13169	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT60	13261	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT60	13170	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT61	13262	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013
AT61	13171	CC	WAL	57	276,943	124,363	-7,203	1,00	76,30	0013	AT62	13263	C	WAL	64	276,943	126,946	-5,136	1,00	97,12	0013

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1999	2	AMC	75	197,995	136,432	-37,000	0.00	14.11	000	1999	17	AMC	76	187,000	136,432	-50,568	0.00	14.11	000	1999	18	AMC	77	187,000	136,432	-50,568	0.00	14.11	000	1999	19	AMC	78	187,000	136,432	-50,568	0.00	14.11	000	1999	20	AMC	79	187,000	136,432	-50,568	0.00	14.11	000	1999	21	AMC	80	187,000	136,432	-50,568	0.00	14.11	000	1999	22	AMC	81	187,000	136,432	-50,568	0.00	14.11	000	1999	23	AMC	82	187,000	136,432	-50,568	0.00	14.11	000	1999	24	AMC	83	187,000	136,432	-50,568	0.00	14.11	000	1999	25	AMC	84	187,000	136,432	-50,568	0.00	14.11	000	1999	26	AMC	85	187,000	136,432	-50,568	0.00	14.11	000	1999	27	AMC	86	187,000	136,432	-50,568	0.00	14.11	000	1999	28	AMC	87	187,000	136,432	-50,568	0.00	14.11	000	1999	29	AMC	88	187,000	136,432	-50,568	0.00	14.11	000	1999	30	AMC	89	187,000	136,432	-50,568	0.00	14.11	000	1999	31	AMC	90	187,000	136,432	-50,568	0.00	14.11	000	1999	32	AMC	91	187,000	136,432	-50,568	0.00	14.11	000	1999	33	AMC	92	187,000	136,432	-50,568	0.00	14.11	000	1999	34	AMC	93	187,000	136,432	-50,568	0.00	14.11	000	1999	35	AMC	94	187,000	136,432	-50,568	0.00	14.11	000	1999	36	AMC	95	187,000	136,432	-50,568	0.00	14.11	000	1999	37	AMC	96	187,000	136,432	-50,568	0.00	14.11	000	1999	38	AMC	97	187,000	136,432	-50,568	0.00	14.11	000	1999	39	AMC	98	187,000	136,432	-50,568	0.00	14.11	000	1999	40	AMC	99	187,000	136,432	-50,568	0.00	14.11	000	1999	41	AMC	100	187,000	136,432	-50,568	0.00	14.11	000	1999	42	AMC	101	187,000	136,432	-50,568	0.00	14.11	000	1999	43	AMC	102	187,000	136,432	-50,568	0.00	14.11	000	1999	44	AMC	103	187,000	136,432	-50,568	0.00	14.11	000	1999	45	AMC	104	187,000	136,432	-50,568	0.00	14.11	000	1999	46	AMC	105	187,000	136,432	-50,568	0.00	14.11	000	1999	47	AMC	106	187,000	136,432	-50,568	0.00	14.11	000	1999	48	AMC	107	187,000	136,432	-50,568	0.00	14.11	000	1999	49	AMC	108	187,000	136,432	-50,568	0.00	14.11	000	1999	50	AMC	109	187,000	136,432	-50,568	0.00	14.11	000	1999	51	AMC	110	187,000	136,432	-50,568	0.00	14.11	000	1999	52	AMC	111	187,000	136,432	-50,568	0.00	14.11	000	1999	53	AMC	112	187,000	136,432	-50,568	0.00	14.11	000	1999	54	AMC	113	187,000	136,432	-50,568	0.00	14.11	000	1999	55	AMC	114	187,000	136,432	-50,568	0.00	14.11	000	1999	56	AMC	115	187,000	136,432	-50,568	0.00	14.11	000	1999	57	AMC	116	187,000	136,432	-50,568	0.00	14.11	000	1999	58	AMC	117	187,000	136,432	-50,568	0.00	14.11	000	1999	59	AMC	118	187,000	136,432	-50,568	0.00	14.11	000	1999	60	AMC	119	187,000	136,432	-50,568	0.00	14.11	000	1999	61	AMC	120	187,000	136,432	-50,568	0.00	14.11	000	1999	62	AMC	121	187,000	136,432	-50,568	0.00	14.11	000	1999	63	AMC	122	187,000	136,432	-50,568	0.00	14.11	000	1999	64	AMC	123	187,000	136,432	-50,568	0.00	14.11	000	1999	65	AMC	124	187,000	136,432	-50,568	0.00	14.11	000	1999	66	AMC	125	187,000	136,432	-50,568	0.00	14.11	000	1999	67	AMC	126	187,000	136,432	-50,568	0.00	14.11	000	1999	68	AMC	127	187,000	136,432	-50,568	0.00	14.11	000	1999	69	AMC	128	187,000	136,432	-50,568	0.00	14.11	000	1999	70	AMC	129	187,000	136,432	-50,568	0.00	14.11	000	1999	71	AMC	130	187,000	136,432	-50,568	0.00	14.11	000	1999	72	AMC	131	187,000	136,432	-50,568	0.00	14.11	000	1999	73	AMC	132	187,000	136,432	-50,568	0.00	14.11	000	1999	74	AMC	133	187,000	136,432	-50,568	0.00	14.11	000	1999	75	AMC	134	187,000	136,432	-50,568	0.00	14.11	000	1999	76	AMC	135	187,000	136,432	-50,568	0.00	14.11	000	1999	77	AMC	136	187,000	136,432	-50,568	0.00	14.11	000	1999	78	AMC	137	187,000	136,432	-50,568	0.00	14.11	000	1999	79	AMC	138	187,000	136,432	-50,568	0.00	14.11	000	1999	80	AMC	139	187,000	136,432	-50,568	0.00	14.11	000	1999	81	AMC	140	187,000	136,432	-50,568	0.00	14.11	000	1999	82	AMC	141	187,000	136,432	-50,568	0.00	14.11	000	1999	83	AMC	142	187,000	136,432	-50,568	0.00	14.11	000	1999	84	AMC	143	187,000	136,432	-50,568	0.00	14.11	000	1999	85	AMC	144	187,000	136,432	-50,568	0.00	14.11	000	1999	86	AMC	145	187,000	136,432	-50,568	0.00	14.11	000	1999	87	AMC	146	187,000	136,432	-50,568	0.00	14.11	000	1999	88	AMC	147	187,000	136,432	-50,568	0.00	14.11	000	1999	89	AMC	148	187,000	136,432	-50,568	0.00	14.11	000	1999	90	AMC	149	187,000	136,432	-50,568	0.00	14.11	000	1999	91	AMC	150	187,000	136,432	-50,568	0.00	14.11	000	1999	92	AMC	151	187,000	136,432	-50,568	0.00	14.11	000	1999	93	AMC	152	187,000	136,432	-50,568	0.00	14.11	000	1999	94	AMC	153	187,000	136,432	-50,568	0.00	14.11	000	1999	95	AMC	154	187,000	136,432	-50,568	0.00	14.11	000	1999	96	AMC	155	187,000	136,432	-50,568	0.00	14.11	000	1999	97	AMC	156	187,000	136,432	-50,568	0.00	14.11	000	1999	98	AMC	157	187,000	136,432	-50,568	0.00	14.11	000	1999	99	AMC	158	187,000	136,432	-50,568	0.00	14.11	000	1999	100	AMC	159	187,000	136,432	-50,568	0.00	14.11	000	1999	101	AMC	160	187,000	136,432	-50,568	0.00	14.11	000	1999	102	AMC	161	187,000	136,432	-50,568	0.00	14.11	000	1999	103	AMC	162	187,000	136,432	-50,568	0.00	14.11	000	1999	104	AMC	163	187,000	136,432	-50,568	0.00	14.11	000	1999	105	AMC	164	187,000	136,432	-50,568	0.00	14.11	000	1999	106	AMC	165	187,000	136,432	-50,568	0.00	14.11	000	1999	107	AMC	166	187,000	136,432	-50,568	0.00	14.11	000	1999	108	AMC	167	187,000	136,432	-50,568	0.00	14.11	000	1999	109	AMC	168	187,000	136,432	-50,568	0.00	14.11	000	1999	110	AMC	169	187,000	136,432	-50,568	0.00	14.11	000	1999	111	AMC	170	187,000	136,432	-50,568	0.00	14.11	000	1999	112	AMC	171	187,000	136,432	-50,568	0.00	14.11	000	1999	113	AMC	172	187,000	136,432	-50,568	0.00	14.11	000	1999	114	AMC	173	187,000	136,432	-50,568	0.00	14.11	000	1999	115	AMC	174	187,000	136,432	-50,568	0.00	14.11	000	1999	116	AMC	175	187,000	136,432	-50,568	0.00	14.11	000	1999	117	AMC	176	187,000	136,432	-50,568	0.00	14.11	000	1999	118	AMC	177	187,000	136,432	-50,568	0.00	14.11	000	1999	119	AMC	178	187,000	136,432	-50,568	0.00	14.11	000	1999	120	AMC	179	187,000	136,432	-50,568	0.00	14.11	000	1999	121	AMC	180	187,000	136,432	-50,568	0.00	14.11	000	1999	122	AMC	181	187,000	136,432	-50,568	0.00	14.11	000	1999	123	AMC	182	187,000	136,432	-50,568	0.00	14.11	000	1999	124	AMC	183	187,000	136,432	-50,568	0.00	14.11	000	1999	125	AMC	184	187,000	136,432	-50,568	0.00	14.11	000	1999	126	AMC	185	187,000	136,432	-50,568	0.00	14.11	000	1999	127	AMC	186	187,000	136,432	-50,568	0.00	14.11	000	1999	128	AMC	187	187,000	136,432	-50,568	0.00	14.11	000	1999	129	AMC	188	187,000	136,432	-50,568	0.00	14.11	000	1999	130	AMC	189	187,000	136,432	-50,568	0.00	14.11	000	1999	131	AMC	190	187,000	136,432	-50,568	0.00	14.11	000	1999	132	AMC	191	187,000	136,432	-50,568	0.00	14.11	000	1999	133	AMC	192	187,000	136,432	-50,568	0.00	14.11	000	1999	134	AMC	193	187,000	136,432	-50,568	0.00	14.11	000	1999	135	AMC	194	187,000	136,432	-50,568	0.00	14.11	000	1999	136	AMC	195	187,000	136,432	-50,568	0.00	14.11	000	1999	137	AMC	196	187,000	136,432	-50,568	0.00	14.11	000	1999	138	AMC	197	187,000	136,432	-50,568	0.00	14.11	000	1999	139	AMC	198	187,000	136,432	-50,568	0.00	14.11	000	1999	140	AMC	199	187,000	136,432	-50,568	0.00	14.11	000	1999	141	AMC	200	187,000	136,432	-50,568	0.00	14.11	000	1999	142	AMC	201	187,000	136,432	-50,568	0.00	14.11	000	1999	143	AMC	202	187,000	136,432	-50,568	0.00	14.11	000	1999	144	AMC	203	187,000	136,432	-50,568	0.00	14.11	000	1999	145	AMC	204	187,000	136,432	-50,568	0.00	14.11	000	1999	146	AMC	205	187,000	136,432	-50,568	0.00	14.11	000	1999	147	AMC	206	187,000	136,432	-50,568	0.00	14.11	000	1999	148	AMC	207	187,000	136,432	-50,568	0.00	14.1
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ATM 12043	12	170	99.470	24.742	-0.477	1.00	02.12	A144	ATM 22904	01	170	99.470	24.742	-0.477	1.00	02.12	A142
ATM 12044	02	170	99.468	24.740	-0.475	1.00	02.12	A143	ATM 22905	01	170	99.468	24.740	-0.475	1.00	02.12	A142
ATM 12045	03	170	99.466	24.738	-0.473	1.00	02.12	A144	ATM 22906	01	170	99.466	24.738	-0.473	1.00	02.12	A142
ATM 12046	04	170	99.464	24.736	-0.471	1.00	02.12	A145	ATM 22907	01	170	99.464	24.736	-0.471	1.00	02.12	A142
ATM 12047	05	170	99.462	24.734	-0.469	1.00	02.12	A146	ATM 22908	01	170	99.462	24.734	-0.469	1.00	02.12	A142
ATM 12048	06	170	99.460	24.732	-0.467	1.00	02.12	A147	ATM 22909	01	170	99.460	24.732	-0.467	1.00	02.12	A142
ATM 12049	07	170	99.458	24.730	-0.465	1.00	02.12	A148	ATM 22910	01	170	99.458	24.730	-0.465	1.00	02.12	A142
ATM 12050	08	170	99.456	24.728	-0.463	1.00	02.12	A149	ATM 22911	01	170	99.456	24.728	-0.463	1.00	02.12	A142
ATM 12051	09	170	99.454	24.726	-0.461	1.00	02.12	A150	ATM 22912	01	170	99.454	24.726	-0.461	1.00	02.12	A142
ATM 12052	10	170	99.452	24.724	-0.459	1.00	02.12	A151	ATM 22913	01	170	99.452	24.724	-0.459	1.00	02.12	A142
ATM 12053	11	170	99.450	24.722	-0.457	1.00	02.12	A152	ATM 22914	01	170	99.450	24.722	-0.457	1.00	02.12	A142
ATM 12054	12	170	99.448	24.720	-0.455	1.00	02.12	A153	ATM 22915	01	170	99.448	24.720	-0.455	1.00	02.12	A142
ATM 12055	01	171	99.446	24.718	-0.453	1.00	02.12	A154	ATM 22916	01	170	99.446	24.718	-0.453	1.00	02.12	A142
ATM 12056	02	171	99.444	24.716	-0.451	1.00	02.12	A155	ATM 22917	01	170	99.444	24.716	-0.451	1.00	02.12	A142
ATM 12057	03	171	99.442	24.714	-0.449	1.00	02.12	A156	ATM 22918	01	170	99.442	24.714	-0.449	1.00	02.12	A142
ATM 12058	04	171	99.440	24.712	-0.447	1.00	02.12	A157	ATM 22919	01	170	99.440	24.712	-0.447	1.00	02.12	A142
ATM 12059	05	171	99.438	24.710	-0.445	1.00	02.12	A158	ATM 22920	01	170	99.438	24.710	-0.445	1.00	02.12	A142
ATM 12060	06	171	99.436	24.708	-0.443	1.00	02.12	A159	ATM 22921	01	170	99.436	24.708	-0.443	1.00	02.12	A142
ATM 12061	07	171	99.434	24.706	-0.441	1.00	02.12	A160	ATM 22922	01	170	99.434	24.706	-0.441	1.00	02.12	A142
ATM 12062	08	171	99.432	24.704	-0.439	1.00	02.12	A161	ATM 22923	01	170	99.432	24.704	-0.439	1.00	02.12	A142
ATM 12063	09	171	99.430	24.702	-0.437	1.00	02.12	A162	ATM 22924	01	170	99.430	24.702	-0.437	1.00	02.12	A142
ATM 12064	10	171	99.428	24.700	-0.435	1.00	02.12	A163	ATM 22925	01	170	99.428	24.700	-0.435	1.00	02.12	A142
ATM 12065	11	171	99.426	24.698	-0.433	1.00	02.12	A164	ATM 22926	01	170	99.426	24.698	-0.433	1.00	02.12	A142
ATM 12066	12	171	99.424	24.696	-0.431	1.00	02.12	A165	ATM 22927	01	170	99.424	24.696	-0.431	1.00	02.12	A142
ATM 12067	01	172	99.422	24.694	-0.429	1.00	02.12	A166	ATM 22928	01	170	99.422	24.694	-0.429	1.00	02.12	A142
ATM 12068	02	172	99.420	24.692	-0.427	1.00	02.12	A167	ATM 22929	01	170	99.420	24.692	-0.427	1.00	02.12	A142
ATM 12069	03	172	99.418	24.690	-0.425	1.00	02.12	A168	ATM 22930	01	170	99.418	24.690	-0.425	1.00	02.12	A142
ATM 12070	04	172	99.416	24.688	-0.423	1.00	02.12	A169	ATM 22931	01	170	99.416	24.688	-0.423	1.00	02.12	A142
ATM 12071	05	172	99.414	24.686	-0.421	1.00	02.12	A170	ATM 22932	01	170	99.414	24.686	-0.421	1.00	02.12	A142
ATM 12072	06	172	99.412	24.684	-0.419	1.00	02.12	A171	ATM 22933	01	170	99.412	24.684	-0.419	1.00	02.12	A142
ATM 12073	07	172	99.410	24.682	-0.417	1.00	02.12	A172	ATM 22934	01	170	99.410	24.682	-0.417	1.00	02.12	A142
ATM 12074	08	172	99.408	24.680	-0.415	1.00	02.12	A173	ATM 22935	01	170	99.408	24.680	-0.415	1.00	02.12	A142
ATM 12075	09	172	99.406	24.678	-0.413	1.00	02.12	A174	ATM 22936	01	170	99.406	24.678	-0.413	1.00	02.12	A142
ATM 12076	10	172	99.404	24.676	-0.411	1.00	02.12	A175	ATM 22937	01	170	99.404	24.676	-0.411	1.00	02.12	A142
ATM 12077	11	172	99.402	24.674	-0.409	1.00	02.12	A176	ATM 22938	01	170	99.402	24.674	-0.409	1.00	02.12	A142
ATM 12078	12	172	99.400	24.672	-0.407	1.00	02.12	A177	ATM 22939	01	170	99.400	24.672	-0.407	1.00	02.12	A142
ATM 12079	01	173	99.398	24.670	-0.405	1.00	02.12	A178	ATM 22940	01	170	99.398	24.670	-0.405	1.00	02.12	A142
ATM 12080	02	173	99.396	24.668	-0.403	1.00	02.12	A179	ATM 22941	01	170	99.396	24.668	-0.403	1.00	02.12	A142
ATM 12081	03	173	99.394	24.666	-0.401	1.00	02.12	A180	ATM 22942	01	170	99.394	24.666	-0.401	1.00	02.12	A142
ATM 12082	04	173	99.392	24.664	-0.399	1.00	02.12	A181	ATM 22943	01	170	99.392	24.664	-0.399	1.00	02.12	A142
ATM 12083	05	173	99.390	24.662	-0.397	1.00	02.12	A182	ATM 22944	01	170	99.390	24.662	-0.397	1.00	02.12	A142
ATM 12084	06	173	99.388	24.660	-0.395	1.00	02.12	A183	ATM 22945	01	170	99.388	24.660	-0.395	1.00	02.12	A142
ATM 12085	07	173	99.386	24.658	-0.393	1.00	02.12	A184	ATM 22946	01	170	99.386	24.658	-0.393	1.00	02.12	A142
ATM 12086	08	173	99.384	24.656	-0.391	1.00	02.12	A185	ATM 22947	01	170	99.384	24.656	-0.391	1.00	02.12	A142
ATM 12087	09	173	99.382	24.654	-0.389	1.00	02.12	A186	ATM 22948	01	170	99.382	24.654	-0.389	1.00	02.12	A142
ATM 12088	10	173	99.380	24.652	-0.387	1.00	02.12	A187	ATM 22949	01	170	99.380	24.652	-0.387	1.00	02.12	A142
ATM 12089	11	173	99.378	24.650	-0.385	1.00	02.12	A188	ATM 22950	01	170	99.378	24.650	-0.385	1.00	02.12	A142
ATM 12090	12	173	99.376	24.648	-0.383	1.00	02.12	A189	ATM 22951	01	170	99.376	24.648	-0.383	1.00	02.12	A142
ATM 12091	01	174	99.374	24.646	-0.381	1.00	02.12	A190	ATM 22952	01	170	99.374	24.646	-0.381	1.00	02.12	A142
ATM 12092	02	174	99.372	24.644	-0.379	1.00	02.12	A191	ATM 22953	01	170	99.372	24.644	-0.379	1.00	02.12	A142
ATM 12093	03	174	99.370	24.642	-0.377	1.00	02.12	A192	ATM 22954	01	170	99.370	24.642	-0.377	1.00	02.12	A142
ATM 12094	04	174	99.368	24.640	-0.375	1.00	02.12	A193	ATM 22955	01	170	99.368	24.640	-0.375	1.00	02.12	A142
ATM 12095	05	174	99.366	24.638	-0.373	1.00	02.12	A194	ATM 22956	01	170	99.366	24.638	-0.373	1.00	02.12	A142
ATM 12096	06	174	99.364	24.636	-0.371	1.00	02.12	A195	ATM 22957	01	170	99.364	24.636	-0.371	1.00	02.12	A142
ATM 12097	07	174	99.362	24.634	-0.369	1.00	02.12	A196	ATM 22958	01	170	99.362	24.634	-0.369	1.00	02.12	A142
ATM 12098	08	174	99.360	24.632	-0.367	1.00	02.12	A197	ATM 22959	01	170	99.360	24.632	-0.367	1.00	02.12	A142
ATM 12099	09	174	99.358	24.630	-0.365	1.00	02.12	A198	ATM 22960	01	170	99.358	24.630	-0.365	1.00	02.12	A142
ATM 12100	10	174	99.356	24.628	-0.363	1.00	02.12	A199	ATM 22961	01	170	99.356	24.628	-0.363	1.00	02.12	A142
ATM 12101	11	174	99.354	24.626	-0.361	1.00	02.12	A200	ATM 22962	01	170	99.354	24.626	-0.361	1.00	02.12	A142
ATM 12102	12	174	99.352	24.624	-0.359	1.00	02.12	A201	ATM 22963	01	170	99.352	24.624	-0.359	1.00	02.12	A142
ATM 12103	01	175	99.350	24.622	-0.357	1.00	02.12	A202	ATM 22964	01	170	99.350	24.622	-0.357	1.00	02.12	A142
ATM 12104	02	175	99.348	24.620	-0.355	1.00	02.12	A203	ATM 22965	01	170	99.348	24.620	-0.355	1.00	02.12	A142
ATM 12105	03	175	99.346	24.618	-0.353	1.00	02.12	A204	ATM 22966	01	170	99.346	24.618	-0.353	1.00	02.12	A142
ATM 12106	04	175	99.344	24.616	-0.351	1.00	02.12	A205	ATM 22967	01	170	99.344	24.616	-0.351	1.00	02.12	A142
ATM 12107	05	175	99.342	24.614	-0.349	1.00	02.12	A206	ATM 22968	01	170	99.342	24.614	-0.349	1.00	02.12	A142
ATM 12108	06	175	99.340	24.612	-0.347	1.00	02.12	A207	ATM 22969	01	170	99.340	24.612	-0.347	1.00	02.12	A142
ATM 12109	07	175	99.338	24.610	-0.345	1.00	02.12	A208	ATM 22970	01	170	99.338	24.610	-0.345	1.00	02.12	A142
ATM 12110	08	175	99.336	24.608	-0.343	1.00	02.12	A209	ATM 22971	01	170	99.336	24.608	-0.343	1.00	02.12	A142
ATM 12111	09	175															

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ATON	25113	01	001	721	146.273	94.702	1.232	1.00	36.13	A100
ATON	25114	02	002	721	146.274	94.703	1.233	1.00	36.13	A100
ATON	25115	03	003	721	146.275	94.704	1.234	1.00	36.13	A100
ATON	25116	04	004	721	146.276	94.705	1.235	1.00	36.13	A100
ATON	25117	05	005	721	146.277	94.706	1.236	1.00	36.13	A100
ATON	25118	06	006	721	146.278	94.707	1.237	1.00	36.13	A100
ATON	25119	07	007	721	146.279	94.708	1.238	1.00	36.13	A100
ATON	25120	08	008	721	146.280	94.709	1.239	1.00	36.13	A100
ATON	25121	09	009	721	146.281	94.710	1.240	1.00	36.13	A100
ATON	25122	10	010	721	146.282	94.711	1.241	1.00	36.13	A100
ATON	25123	11	011	721	146.283	94.712	1.242	1.00	36.13	A100
ATON	25124	12	012	721	146.284	94.713	1.243	1.00	36.13	A100
ATON	25125	13	013	721	146.285	94.714	1.244	1.00	36.13	A100
ATON	25126	14	014	721	146.286	94.715	1.245	1.00	36.13	A100
ATON	25127	15	015	721	146.287	94.716	1.246	1.00	36.13	A100
ATON	25128	16	016	721	146.288	94.717	1.247	1.00	36.13	A100
ATON	25129	17	017	721	146.289	94.718	1.248	1.00	36.13	A100
ATON	25130	18	018	721	146.290	94.719	1.249	1.00	36.13	A100
ATON	25131	19	019	721	146.291	94.720	1.250	1.00	36.13	A100
ATON	25132	20	020	721	146.292	94.721	1.251	1.00	36.13	A100
ATON	25133	21	021	721	146.293	94.722	1.252	1.00	36.13	A100
ATON	25134	22	022	721	146.294	94.723	1.253	1.00	36.13	A100
ATON	25135	23	023	721	146.295	94.724	1.254	1.00	36.13	A100
ATON	25136	24	024	721	146.296	94.725	1.255	1.00	36.13	A100
ATON	25137	25	025	721	146.297	94.726	1.256	1.00	36.13	A100
ATON	25138	26	026	721	146.298	94.727	1.257	1.00	36.13	A100
ATON	25139	27	027	721	146.299	94.728	1.258	1.00	36.13	A100
ATON	25140	28	028	721	146.300	94.729	1.259	1.00	36.13	A100
ATON	25141	29	029	721	146.301	94.730	1.260	1.00	36.13	A100
ATON	25142	30	030	721	146.302	94.731	1.261	1.00	36.13	A100
ATON	25143	31	031	721	146.303	94.732	1.262	1.00	36.13	A100
ATON	25144	32	032	721	146.304	94.733	1.263	1.00	36.13	A100
ATON	25145	33	033	721	146.305	94.734	1.264	1.00	36.13	A100
ATON	25146	34	034	721	146.306	94.735	1.265	1.00	36.13	A100
ATON	25147	35	035	721	146.307	94.736	1.266	1.00	36.13	A100
ATON	25148	36	036	721	146.308	94.737	1.267	1.00	36.13	A100
ATON	25149	37	037	721	146.309	94.738	1.268	1.00	36.13	A100
ATON	25150	38	038	721	146.310	94.739	1.269	1.00	36.13	A100
ATON	25151	39	039	721	146.311	94.740	1.270	1.00	36.13	A100
ATON	25152	40	040	721	146.312	94.741	1.271	1.00	36.13	A100
ATON	25153	41	041	721	146.313	94.742	1.272	1.00	36.13	A100
ATON	25154	42	042	721	146.314	94.743	1.273	1.00	36.13	A100
ATON	25155	43	043	721	146.315	94.744	1.274	1.00	36.13	A100
ATON	25156	44	044	721	146.316	94.745	1.275	1.00	36.13	A100
ATON	25157	45	045	721	146.317	94.746	1.276	1.00	36.13	A100
ATON	25158	46	046	721	146.318	94.747	1.277	1.00	36.13	A100
ATON	25159	47	047	721	146.319	94.748	1.278	1.00	36.13	A100
ATON	25160	48	048	721	146.320	94.749	1.279	1.00	36.13	A100
ATON	25161	49	049	721	146.321	94.750	1.280	1.00	36.13	A100
ATON	25162	50	050	721	146.322	94.751	1.281	1.00	36.13	A100
ATON	25163	51	051	721	146.323	94.752	1.282	1.00	36.13	A100
ATON	25164	52	052	721	146.324	94.753	1.283	1.00	36.13	A100
ATON	25165	53	053	721	146.325	94.754	1.284	1.00	36.13	A100
ATON	25166	54	054	721	146.326	94.755	1.285	1.00	36.13	A100
ATON	25167	55	055	721	146.327	94.756	1.286	1.00	36.13	A100
ATON	25168	56	056	721	146.328	94.757	1.287	1.00	36.13	A100
ATON	25169	57	057	721	146.329	94.758	1.288	1.00	36.13	A100
ATON	25170	58	058	721	146.330	94.759	1.289	1.00	36.13	A100
ATON	25171	59	059	721	146.331	94.760	1.290	1.00	36.13	A100
ATON	25172	60	060	721	146.332	94.761	1.291	1.00	36.13	A100
ATON	25173	61	061	721	146.333	94.762	1.292	1.00	36.13	A100
ATON	25174	62	062	721	146.334	94.763	1.293	1.00	36.13	A100
ATON	25175	63	063	721	146.335	94.764	1.294	1.00	36.13	A100
ATON	25176	64	064	721	146.336	94.765	1.295	1.00	36.13	A100
ATON	25177	65	065	721	146.337	94.766	1.296	1.00	36.13	A100
ATON	25178	66	066	721	146.338	94.767	1.297	1.00	36.13	A100
ATON	25179	67	067	721	146.339	94.768	1.298	1.00	36.13	A100
ATON	25180	68	068	721	146.340	94.769	1.299	1.00	36.13	A100
ATON	25181	69	069	721	146.341	94.770	1.300	1.00	36.13	A100
ATON	25182	70	070	721	146.342	94.771	1.301	1.00	36.13	A100
ATON	25183	71	071	721	146.343	94.772	1.302	1.00	36.13	A100
ATON	25184	72	072	721	146.344	94.773	1.303	1.00	36.13	A100
ATON	25185	73	073	721	146.345	94.774	1.304	1.00	36.13	A100
ATON	25186	74	074	721	146.346	94.775	1.305	1.00	36.13	A100
ATON	25187	75	075	721	146.347	94.776	1.306	1.00	36.13	A100
ATON	25188	76	076	721	146.348	94.777	1.307	1.00	36.13	A100
ATON	25189	77	077	721	146.349	94.778	1.308	1.00	36.13	A100
ATON	25190	78	078	721	146.350	94.779	1.309	1.00	36.13	A100
ATON	25191	79	079	721	146.351	94.780	1.310	1.00	36.13	A100
ATON	25192	80	080	721	146.352	94.781	1.311	1.00	36.13	A100
ATON	25193	81	081	721	146.353	94.782	1.312	1.00	36.13	A100
ATON	25194	82	082	721	146.354	94.783	1.313	1.00	36.13	A100
ATON	25195	83	083	721	146.355	94.784	1.314	1.00	36.13	A100
ATON	25196	84	084	721	146.356	94.785	1.315	1.00	36.13	A100
ATON	25197	85	085	721	146.357	94.786	1.316	1.00	36.13	A100
ATON	25198	86	086	721	146.358	94.787	1.317	1.00	36.13	A100
ATON	25199	87	087	721	146.359	94.788	1.318	1.00	36.13	A100
ATON	25200	88	088	721	146.360	94.789	1.319	1.00	36.13	A100
ATON	25201	89	089	721	146.361	94.790	1.320	1.00	36.13	A100
ATON	25202	90	090	721	146.362	94.791	1.321	1.00	36.13	A100
ATON	25203	91	091	721	146.363	94.792	1.322	1.00	36.13	A100
ATON	25204	92	092	721	146.364	94.793	1.323	1.00	36.13	A100
ATON	25205	93	093	721	146.365	94.794	1.324	1.00	36.13	A100
ATON	25206	94	094	721	146.366	94.795	1.325	1.00	36.13	A100
ATON	25207	95	095	721	146.367	94.796	1.326	1.00	36.13	A100
ATON	25208	96	096	721	146.368	94.797	1.327	1.00	36.13	A100
ATON	25209	97	097	721	146.369	94.798	1.328	1.00	36.13	A100
ATON	25210	98	098	721	146.370	94.799	1.329	1.00	36.13	A100
ATON	25211	99	099	721	146.371	94.800	1.330	1.00	36.13	A100
ATON	25212	00	100	721	146.372	94.801	1.331	1.00	36.13	A100
ATON	25213	01	101	721	146.373	94.802	1.332	1.00	36.13	A100
ATON	25214	02	102	721	146.374	94.803	1.333	1.00	36.13	A100
ATON	25215	03	103	721	146.375	94.804	1.334	1.00	36.13	A100
ATON	25216	04	104	721	146.376	94.805	1.335	1.00	36.13	A100
ATON	25217	05	105	721	146.377	94.806	1.336	1.00	36.13	A100
ATON	25218	06	106	721	146.378	94.807	1.337	1.00	36.13	A100
ATON	25219	07	107	721	146.379	94.808	1.338	1.00	36.13	A100
ATON	25220	08	108	721	146.380	94.809	1.339	1.00	36.13	A100
ATON	25221	09	109	721	146.381	94.810	1.340	1.00	36.13	A100
ATON	25222	10	110	721	146.382	94.811	1.341	1.00	36.13	A100
ATON	25223	11	111	721	146.383	94.812	1.342	1.00	36.13	A100
ATON	25224	12	112	721	146.384	94.813	1.343	1.00	36.13	A100
ATON	25225	13	113	721	146.385	94.814	1.344	1.00	36.13	A100
ATON	25226	14	114	721	146.386	94.815	1.345	1.00	36.13	A100
ATON	25227	15	115	721	146.387	94.816	1.346	1.00	36.13	A100
ATON	25228	16	116	721	146.388	94.817	1.347	1.00	36.13	A100
ATON	25229	17	117	721	146.389	94.818	1.348	1.00	36.13</	

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ATM	2122	P	MM	71	311.062	71.204	16.100	1.00	41.27	A160
ATM	2123	P	MM	71	311.077	72.294	15.116	1.00	40.79	A160
ATM	2124	P	MM	71	311.091	73.381	14.032	1.00	40.31	A160
ATM	2125	P	MM	71	311.105	74.468	12.948	1.00	39.83	A160
ATM	2126	P	MM	71	311.119	75.555	11.864	1.00	39.35	A160
ATM	2127	P	MM	71	311.133	76.642	10.780	1.00	38.87	A160
ATM	2128	P	MM	71	311.147	77.729	9.696	1.00	38.39	A160
ATM	2129	P	MM	71	311.161	78.816	8.612	1.00	37.91	A160
ATM	2130	P	MM	71	311.175	79.903	7.528	1.00	37.43	A160
ATM	2131	P	MM	71	311.189	80.990	6.444	1.00	36.95	A160
ATM	2132	P	MM	71	311.203	82.077	5.360	1.00	36.47	A160
ATM	2133	P	MM	71	311.217	83.164	4.276	1.00	35.99	A160
ATM	2134	P	MM	71	311.231	84.251	3.192	1.00	35.51	A160
ATM	2135	P	MM	71	311.245	85.338	2.108	1.00	35.03	A160
ATM	2136	P	MM	71	311.259	86.425	1.024	1.00	34.55	A160
ATM	2137	P	MM	71	311.273	87.512	0.940	1.00	34.07	A160
ATM	2138	P	MM	71	311.287	88.599	0.856	1.00	33.59	A160
ATM	2139	P	MM	71	311.301	89.686	0.772	1.00	33.11	A160
ATM	2140	P	MM	71	311.315	90.773	0.688	1.00	32.63	A160
ATM	2141	P	MM	71	311.329	91.860	0.604	1.00	32.15	A160
ATM	2142	P	MM	71	311.343	92.947	0.520	1.00	31.67	A160
ATM	2143	P	MM	71	311.357	94.034	0.436	1.00	31.19	A160
ATM	2144	P	MM	71	311.371	95.121	0.352	1.00	30.71	A160
ATM	2145	P	MM	71	311.385	96.208	0.268	1.00	30.23	A160
ATM	2146	P	MM	71	311.399	97.295	0.184	1.00	29.75	A160
ATM	2147	P	MM	71	311.413	98.382	0.100	1.00	29.27	A160
ATM	2148	P	MM	71	311.427	99.469	0.016	1.00	28.79	A160
ATM	2149	P	MM	71	311.441	100.556	0.000	1.00	28.31	A160
ATM	2150	P	MM	71	311.455	101.643	0.000	1.00	27.83	A160
ATM	2151	P	MM	71	311.469	102.730	0.000	1.00	27.35	A160
ATM	2152	P	MM	71	311.483	103.817	0.000	1.00	26.87	A160
ATM	2153	P	MM	71	311.497	104.904	0.000	1.00	26.39	A160
ATM	2154	P	MM	71	311.511	105.991	0.000	1.00	25.91	A160
ATM	2155	P	MM	71	311.525	107.078	0.000	1.00	25.43	A160
ATM	2156	P	MM	71	311.539	108.165	0.000	1.00	24.95	A160
ATM	2157	P	MM	71	311.553	109.252	0.000	1.00	24.47	A160
ATM	2158	P	MM	71	311.567	110.339	0.000	1.00	23.99	A160
ATM	2159	P	MM	71	311.581	111.426	0.000	1.00	23.51	A160
ATM	2160	P	MM	71	311.595	112.513	0.000	1.00	23.03	A160
ATM	2161	P	MM	71	311.609	113.600	0.000	1.00	22.55	A160
ATM	2162	P	MM	71	311.623	114.687	0.000	1.00	22.07	A160
ATM	2163	P	MM	71	311.637	115.774	0.000	1.00	21.59	A160
ATM	2164	P	MM	71	311.651	116.861	0.000	1.00	21.11	A160
ATM	2165	P	MM	71	311.665	117.948	0.000	1.00	20.63	A160
ATM	2166	P	MM	71	311.679	119.035	0.000	1.00	20.15	A160
ATM	2167	P	MM	71	311.693	120.122	0.000	1.00	19.67	A160
ATM	2168	P	MM	71	311.707	121.209	0.000	1.00	19.19	A160
ATM	2169	P	MM	71	311.721	122.296	0.000	1.00	18.71	A160
ATM	2170	P	MM	71	311.735	123.383	0.000	1.00	18.23	A160
ATM	2171	P	MM	71	311.749	124.470	0.000	1.00	17.75	A160
ATM	2172	P	MM	71	311.763	125.557	0.000	1.00	17.27	A160
ATM	2173	P	MM	71	311.777	126.644	0.000	1.00	16.79	A160
ATM	2174	P	MM	71	311.791	127.731	0.000	1.00	16.31	A160
ATM	2175	P	MM	71	311.805	128.818	0.000	1.00	15.83	A160
ATM	2176	P	MM	71	311.819	129.905	0.000	1.00	15.35	A160
ATM	2177	P	MM	71	311.833	130.992	0.000	1.00	14.87	A160
ATM	2178	P	MM	71	311.847	132.079	0.000	1.00	14.39	A160
ATM	2179	P	MM	71	311.861	133.166	0.000	1.00	13.91	A160
ATM	2180	P	MM	71	311.875	134.253	0.000	1.00	13.43	A160
ATM	2181	P	MM	71	311.889	135.340	0.000	1.00	12.95	A160
ATM	2182	P	MM	71	311.903	136.427	0.000	1.00	12.47	A160
ATM	2183	P	MM	71	311.917	137.514	0.000	1.00	11.99	A160
ATM	2184	P	MM	71	311.931	138.601	0.000	1.00	11.51	A160
ATM	2185	P	MM	71	311.945	139.688	0.000	1.00	11.03	A160
ATM	2186	P	MM	71	311.959	140.775	0.000	1.00	10.55	A160
ATM	2187	P	MM	71	311.973	141.862	0.000	1.00	10.07	A160
ATM	2188	P	MM	71	311.987	142.949	0.000	1.00	9.59	A160
ATM	2189	P	MM	71	312.001	144.036	0.000	1.00	9.11	A160
ATM	2190	P	MM	71	312.015	145.123	0.000	1.00	8.63	A160
ATM	2191	P	MM	71	312.029	146.210	0.000	1.00	8.15	A160
ATM	2192	P	MM	71	312.043	147.297	0.000	1.00	7.67	A160
ATM	2193	P	MM	71	312.057	148.384	0.000	1.00	7.19	A160
ATM	2194	P	MM	71	312.071	149.471	0.000	1.00	6.71	A160
ATM	2195	P	MM	71	312.085	150.558	0.000	1.00	6.23	A160
ATM	2196	P	MM	71	312.099	151.645	0.000	1.00	5.75	A160
ATM	2197	P	MM	71	312.113	152.732	0.000	1.00	5.27	A160
ATM	2198	P	MM	71	312.127	153.819	0.000	1.00	4.79	A160
ATM	2199	P	MM	71	312.141	154.906	0.000	1.00	4.31	A160
ATM	2200	P	MM	71	312.155	155.993	0.000	1.00	3.83	A160
ATM	2201	P	MM	71	312.169	157.080	0.000	1.00	3.35	A160
ATM	2202	P	MM	71	312.183	158.167	0.000	1.00	2.87	A160
ATM	2203	P	MM	71	312.197	159.254	0.000	1.00	2.39	A160
ATM	2204	P	MM	71	312.211	160.341	0.000	1.00	1.91	A160
ATM	2205	P	MM	71	312.225	161.428	0.000	1.00	1.43	A160
ATM	2206	P	MM	71	312.239	162.515	0.000	1.00	0.95	A160
ATM	2207	P	MM	71	312.253	163.602	0.000	1.00	0.47	A160
ATM	2208	P	MM	71	312.267	164.689	0.000	1.00	0.00	A160
ATM	2209	P	MM	71	312.281	165.776	0.000	1.00	0.00	A160
ATM	2210	P	MM	71	312.295	166.863	0.000	1.00	0.00	A160
ATM	2211	P	MM	71	312.309	167.950	0.000	1.00	0.00	A160
ATM	2212	P	MM	71	312.323	169.037	0.000	1.00	0.00	A160
ATM	2213	P	MM	71	312.337	170.124	0.000	1.00	0.00	A160
ATM	2214	P	MM	71	312.351	171.211	0.000	1.00	0.00	A160
ATM	2215	P	MM	71	312.365	172.298	0.000	1.00	0.00	A160
ATM	2216	P	MM	71	312.379	173.385	0.000	1.00	0.00	A160
ATM	2217	P	MM	71	312.393	174.472	0.000	1.00	0.00	A160
ATM	2218	P	MM	71	312.407	175.559	0.000	1.00	0.00	A160
ATM	2219	P	MM	71	312.421	176.646	0.000	1.00	0.00	A160
ATM	2220	P	MM	71	312.435	177.733	0.000	1.00	0.00	A160
ATM	2221	P	MM	71	312.449	178.820	0.000	1.00	0.00	A160
ATM	2222	P	MM	71	312.463	179.907	0.000	1.00	0.00	A160
ATM	2223	P	MM	71	312.477	180.994	0.000	1.00	0.00	A160
ATM	2224	P	MM	71	312.491	182.081	0.000	1.00	0.00	A160
ATM	2225	P	MM	71	312.505	183.168	0.000	1.00	0.00	A160
ATM	2226	P	MM	71	312.519	184.255	0.000	1.00	0.00	A160
ATM	2227	P	MM	71	312.533	185.342	0.000	1.00	0.00	A160
ATM	2228	P	MM	71	312.547	186.429	0.000	1.00	0.00	A160
ATM	2229	P	MM	71	312.561	187.516	0.000	1.00	0.00	A160
ATM	2230	P	MM	71	312.575	188.603	0.000	1.00	0.00	A160
ATM	2231	P	MM	71	312.589	189.690	0.000	1.00	0.00	A160
ATM	2232	P	MM	71	312.603	190.777	0.000	1.00	0.00	A160
ATM	2233	P	MM	71	312.617	191.864	0.000	1.00	0.00	A160
ATM	2234	P	MM	71	312.631	192.951	0.000	1.00	0.00	A160
ATM	2235	P	MM	71	312.645	194.038	0.000	1.00	0.00	A160
ATM	2236	P	MM	71	312.659	195.125	0.000	1.00	0.00	A160
ATM	2237	P	MM	71	312.673	196.212	0.000	1.00	0.00	A160
ATM	2238	P	MM	71	312.687	197.299	0.000	1.00	0.00	A160
ATM	2239	P	MM	71	312.701	198.386	0.000	1.00	0.00	A160
ATM	2240	P	MM	71	312.715	199.473	0.000	1.00	0.00	A160
ATM	2241	P	MM	71	312.729	200.560	0.000	1.00	0.00	A160
ATM	2242	P	MM	71	312.743	201.647	0.000	1.00	0.00	A160
ATM	2243	P	MM	71	312.757	202.734	0.000	1.00	0.00	A160
ATM	2244	P	MM							

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ATM 25543	02	CTT	027	117,163	79,900	90,700	100,000,00	A165	ATM 25766	P	000	044	116,751	77,547	75,000	1,000	64,97	A165
ATM 25544	03	CTT	027	116,975	80,420	91,620	1,200,000,00	A165	ATM 25767	000	000	000	117,543	77,001	75,120	1,000	64,96	A165
ATM 25545	04	CTT	027	116,770	80,700	91,200	1,200,000,00	A165	ATM 25768	000	000	000	117,517	77,000	75,100	1,000	61,20	A165
ATM 25546	05	CTT	027	116,770	81,000	91,500	1,200,000,00	A165	ATM 25769	000	000	000	117,485	77,000	75,000	1,000	61,21	A165
ATM 25547	06	CTT	027	116,770	81,200	91,700	1,200,000,00	A165	ATM 25770	000	000	000	117,450	77,001	75,000	1,000	64,97	A165
ATM 25548	07	CTT	027	116,770	81,400	91,900	1,200,000,00	A165	ATM 25771	000	000	000	117,415	77,000	75,000	1,000	64,97	A165
ATM 25549	08	CTT	027	116,770	81,600	92,100	1,200,000,00	A165	ATM 25772	000	000	000	117,380	77,000	75,000	1,000	64,97	A165
ATM 25550	09	CTT	027	116,770	81,800	92,300	1,200,000,00	A165	ATM 25773	000	000	000	117,345	77,000	75,000	1,000	64,97	A165
ATM 25551	10	CTT	027	116,770	82,000	92,500	1,200,000,00	A165	ATM 25774	000	000	000	117,310	77,000	75,000	1,000	64,97	A165
ATM 25552	11	CTT	027	116,770	82,200	92,700	1,200,000,00	A165	ATM 25775	000	000	000	117,275	77,000	75,000	1,000	64,97	A165
ATM 25553	12	CTT	027	116,770	82,400	92,900	1,200,000,00	A165	ATM 25776	000	000	000	117,240	77,000	75,000	1,000	64,97	A165
ATM 25554	13	CTT	027	116,770	82,600	93,100	1,200,000,00	A165	ATM 25777	000	000	000	117,205	77,000	75,000	1,000	64,97	A165
ATM 25555	14	CTT	027	116,770	82,800	93,300	1,200,000,00	A165	ATM 25778	000	000	000	117,170	77,000	75,000	1,000	64,97	A165
ATM 25556	15	CTT	027	116,770	83,000	93,500	1,200,000,00	A165	ATM 25779	000	000	000	117,135	77,000	75,000	1,000	64,97	A165
ATM 25557	16	CTT	027	116,770	83,200	93,700	1,200,000,00	A165	ATM 25780	000	000	000	117,100	77,000	75,000	1,000	64,97	A165
ATM 25558	17	CTT	027	116,770	83,400	93,900	1,200,000,00	A165	ATM 25781	000	000	000	117,065	77,000	75,000	1,000	64,97	A165
ATM 25559	18	CTT	027	116,770	83,600	94,100	1,200,000,00	A165	ATM 25782	000	000	000	117,030	77,000	75,000	1,000	64,97	A165
ATM 25560	19	CTT	027	116,770	83,800	94,300	1,200,000,00	A165	ATM 25783	000	000	000	116,995	77,000	75,000	1,000	64,97	A165
ATM 25561	20	CTT	027	116,770	84,000	94,500	1,200,000,00	A165	ATM 25784	000	000	000	116,960	77,000	75,000	1,000	64,97	A165
ATM 25562	21	CTT	027	116,770	84,200	94,700	1,200,000,00	A165	ATM 25785	000	000	000	116,925	77,000	75,000	1,000	64,97	A165
ATM 25563	22	CTT	027	116,770	84,400	94,900	1,200,000,00	A165	ATM 25786	000	000	000	116,890	77,000	75,000	1,000	64,97	A165
ATM 25564	23	CTT	027	116,770	84,600	95,100	1,200,000,00	A165	ATM 25787	000	000	000	116,855	77,000	75,000	1,000	64,97	A165
ATM 25565	24	CTT	027	116,770	84,800	95,300	1,200,000,00	A165	ATM 25788	000	000	000	116,820	77,000	75,000	1,000	64,97	A165
ATM 25566	25	CTT	027	116,770	85,000	95,500	1,200,000,00	A165	ATM 25789	000	000	000	116,785	77,000	75,000	1,000	64,97	A165
ATM 25567	26	CTT	027	116,770	85,200	95,700	1,200,000,00	A165	ATM 25790	000	000	000	116,750	77,000	75,000	1,000	64,97	A165
ATM 25568	27	CTT	027	116,770	85,400	95,900	1,200,000,00	A165	ATM 25791	000	000	000	116,715	77,000	75,000	1,000	64,97	A165
ATM 25569	28	CTT	027	116,770	85,600	96,100	1,200,000,00	A165	ATM 25792	000	000	000	116,680	77,000	75,000	1,000	64,97	A165
ATM 25570	29	CTT	027	116,770	85,800	96,300	1,200,000,00	A165	ATM 25793	000	000	000	116,645	77,000	75,000	1,000	64,97	A165
ATM 25571	30	CTT	027	116,770	86,000	96,500	1,200,000,00	A165	ATM 25794	000	000	000	116,610	77,000	75,000	1,000	64,97	A165
ATM 25572	31	CTT	027	116,770	86,200	96,700	1,200,000,00	A165	ATM 25795	000	000	000	116,575	77,000	75,000	1,000	64,97	A165
ATM 25573	32	CTT	027	116,770	86,400	96,900	1,200,000,00	A165	ATM 25796	000	000	000	116,540	77,000	75,000	1,000	64,97	A165
ATM 25574	33	CTT	027	116,770	86,600	97,100	1,200,000,00	A165	ATM 25797	000	000	000	116,505	77,000	75,000	1,000	64,97	A165
ATM 25575	34	CTT	027	116,770	86,800	97,300	1,200,000,00	A165	ATM 25798	000	000	000	116,470	77,000	75,000	1,000	64,97	A165
ATM 25576	35	CTT	027	116,770	87,000	97,500	1,200,000,00	A165	ATM 25799	000	000	000	116,435	77,000	75,000	1,000	64,97	A165
ATM 25577	36	CTT	027	116,770	87,200	97,700	1,200,000,00	A165	ATM 25800	000	000	000	116,400	77,000	75,000	1,000	64,97	A165
ATM 25578	37	CTT	027	116,770	87,400	97,900	1,200,000,00	A165	ATM 25801	000	000	000	116,365	77,000	75,000	1,000	64,97	A165
ATM 25579	38	CTT	027	116,770	87,600	98,100	1,200,000,00	A165	ATM 25802	000	000	000	116,330	77,000	75,000	1,000	64,97	A165
ATM 25580	39	CTT	027	116,770	87,800	98,300	1,200,000,00	A165	ATM 25803	000	000	000	116,295	77,000	75,000	1,000	64,97	A165
ATM 25581	40	CTT	027	116,770	88,000	98,500	1,200,000,00	A165	ATM 25804	000	000	000	116,260	77,000	75,000	1,000	64,97	A165
ATM 25582	41	CTT	027	116,770	88,200	98,700	1,200,000,00	A165	ATM 25805	000	000	000	116,225	77,000	75,000	1,000	64,97	A165
ATM 25583	42	CTT	027	116,770	88,400	98,900	1,200,000,00	A165	ATM 25806	000	000	000	116,190	77,000	75,000	1,000	64,97	A165
ATM 25584	43	CTT	027	116,770	88,600	99,100	1,200,000,00	A165	ATM 25807	000	000	000	116,155	77,000	75,000	1,000	64,97	A165
ATM 25585	44	CTT	027	116,770	88,800	99,300	1,200,000,00	A165	ATM 25808	000	000	000	116,120	77,000	75,000	1,000	64,97	A165
ATM 25586	45	CTT	027	116,770	89,000	99,500	1,200,000,00	A165	ATM 25809	000	000	000	116,085	77,000	75,000	1,000	64,97	A165
ATM 25587	46	CTT	027	116,770	89,200	99,700	1,200,000,00	A165	ATM 25810	000	000	000	116,050	77,000	75,000	1,000	64,97	A165
ATM 25588	47	CTT	027	116,770	89,400	99,900	1,200,000,00	A165	ATM 25811	000	000	000	116,015	77,000	75,000	1,000	64,97	A165
ATM 25589	48	CTT	027	116,770	89,600	100,100	1,200,000,00	A165	ATM 25812	000	000	000	115,980	77,000	75,000	1,000	64,97	A165
ATM 25590	49	CTT	027	116,770	89,800	100,300	1,200,000,00	A165	ATM 25813	000	000	000	115,945	77,000	75,000	1,000	64,97	A165
ATM 25591	50	CTT	027	116,770	90,000	100,500	1,200,000,00	A165	ATM 25814	000	000	000	115,910	77,000	75,000	1,000	64,97	A165
ATM 25592	51	CTT	027	116,770	90,200	100,700	1,200,000,00	A165	ATM 25815	000	000	000	115,875	77,000	75,000	1,000	64,97	A165
ATM 25593	52	CTT	027	116,770	90,400	100,900	1,200,000,00	A165	ATM 25816	000	000	000	115,840	77,000	75,000	1,000	64,97	A165
ATM 25594	53	CTT	027	116,770	90,600	101,100	1,200,000,00	A165	ATM 25817	000	000	000	115,805	77,000	75,000	1,000	64,97	A165
ATM 25595	54	CTT	027	116,770	90,800	101,300	1,200,000,00	A165	ATM 25818	000	000	000	115,770	77,000	75,000	1,000	64,97	A165
ATM 25596	55	CTT	027	116,770	91,000	101,500	1,200,000,00	A165	ATM 25819	000	000	000	115,735	77,000	75,000	1,000	64,97	A165
ATM 25597	56	CTT	027	116,770	91,200	101,700	1,200,000,00	A165	ATM 25820	000	000	000	115,700	77,000	75,000	1,000	64,97	A165
ATM 25598	57	CTT	027	116,770	91,400	101,900	1,200,000,00	A165	ATM 25821	000	000	000	115,665	77,000	75,000	1,000	64,97	A165
ATM 25599	58	CTT	027	116,770	91,600	102,100	1,200,000,00	A165	ATM 25822	000	000	000	115,630	77,000	75,000	1,000	64,97	A165
ATM 25600	59	CTT	027	116,770	91,800	102,300	1,200,000,00	A165	ATM 25823	000	000	000	115,595	77,000	75,000	1,000	64,97	A165
ATM 25601	60	CTT	027	116,770	92,000	102,500	1,200,000,00	A165	ATM 25824	000	000	000	115,560	77,000	75,000	1,000	64,97	A165
ATM 25602	61	CTT	027	116,770	92,200	102,700	1,200,000,00	A165	ATM 25825	000	000	000	115,525	77,000	75,000	1,000	64,97	A165
ATM 25603	62	CTT	027	116,770	92,400	102,900	1,200,000,00	A165	ATM 25826	000	000	000	115,490	77,000	75,000	1,000	64,97	A165
ATM 25604	63	CTT	027	116,770	92,600	103,100	1,200,000,00	A165	ATM 25827	000	0							

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EP01	P	000	130.324	80.000	54.977	1.00	75.10	A100
EP02	P	000	130.341	80.170	55.270	1.00	75.01	A100
EP03	P	000	130.358	80.340	55.640	1.00	74.92	A100
EP04	P	000	130.375	80.510	56.010	1.00	74.83	A100
EP05	P	000	130.392	80.680	56.380	1.00	74.75	A100
EP06	P	000	130.409	80.850	56.750	1.00	74.66	A100
EP07	P	000	130.426	81.020	57.120	1.00	74.57	A100
EP08	P	000	130.443	81.190	57.490	1.00	74.48	A100
EP09	P	000	130.460	81.360	57.860	1.00	74.39	A100
EP10	P	000	130.477	81.530	58.230	1.00	74.30	A100
EP11	P	000	130.494	81.700	58.600	1.00	74.21	A100
EP12	P	000	130.511	81.870	58.970	1.00	74.12	A100
EP13	P	000	130.528	82.040	59.340	1.00	74.03	A100
EP14	P	000	130.545	82.210	59.710	1.00	73.94	A100
EP15	P	000	130.562	82.380	60.080	1.00	73.85	A100
EP16	P	000	130.579	82.550	60.450	1.00	73.76	A100
EP17	P	000	130.596	82.720	60.820	1.00	73.67	A100
EP18	P	000	130.613	82.890	61.190	1.00	73.58	A100
EP19	P	000	130.630	83.060	61.560	1.00	73.49	A100
EP20	P	000	130.647	83.230	61.930	1.00	73.40	A100
EP21	P	000	130.664	83.400	62.300	1.00	73.31	A100
EP22	P	000	130.681	83.570	62.670	1.00	73.22	A100
EP23	P	000	130.698	83.740	63.040	1.00	73.13	A100
EP24	P	000	130.715	83.910	63.410	1.00	73.04	A100
EP25	P	000	130.732	84.080	63.780	1.00	72.95	A100
EP26	P	000	130.749	84.250	64.150	1.00	72.86	A100
EP27	P	000	130.766	84.420	64.520	1.00	72.77	A100
EP28	P	000	130.783	84.590	64.890	1.00	72.68	A100
EP29	P	000	130.800	84.760	65.260	1.00	72.59	A100
EP30	P	000	130.817	84.930	65.630	1.00	72.50	A100
EP31	P	000	130.834	85.100	66.000	1.00	72.41	A100
EP32	P	000	130.851	85.270	66.370	1.00	72.32	A100
EP33	P	000	130.868	85.440	66.740	1.00	72.23	A100
EP34	P	000	130.885	85.610	67.110	1.00	72.14	A100
EP35	P	000	130.902	85.780	67.480	1.00	72.05	A100
EP36	P	000	130.919	85.950	67.850	1.00	71.96	A100
EP37	P	000	130.936	86.120	68.220	1.00	71.87	A100
EP38	P	000	130.953	86.290	68.590	1.00	71.78	A100
EP39	P	000	130.970	86.460	68.960	1.00	71.69	A100
EP40	P	000	130.987	86.630	69.330	1.00	71.60	A100
EP41	P	000	131.004	86.800	69.700	1.00	71.51	A100
EP42	P	000	131.021	86.970	70.070	1.00	71.42	A100
EP43	P	000	131.038	87.140	70.440	1.00	71.33	A100
EP44	P	000	131.055	87.310	70.810	1.00	71.24	A100
EP45	P	000	131.072	87.480	71.180	1.00	71.15	A100
EP46	P	000	131.089	87.650	71.550	1.00	71.06	A100
EP47	P	000	131.106	87.820	71.920	1.00	70.97	A100
EP48	P	000	131.123	87.990	72.290	1.00	70.88	A100
EP49	P	000	131.140	88.160	72.660	1.00	70.79	A100
EP50	P	000	131.157	88.330	73.030	1.00	70.70	A100
EP51	P	000	131.174	88.500	73.400	1.00	70.61	A100
EP52	P	000	131.191	88.670	73.770	1.00	70.52	A100
EP53	P	000	131.208	88.840	74.140	1.00	70.43	A100
EP54	P	000	131.225	89.010	74.510	1.00	70.34	A100
EP55	P	000	131.242	89.180	74.880	1.00	70.25	A100
EP56	P	000	131.259	89.350	75.250	1.00	70.16	A100
EP57	P	000	131.276	89.520	75.620	1.00	70.07	A100
EP58	P	000	131.293	89.690	75.990	1.00	69.98	A100
EP59	P	000	131.310	89.860	76.360	1.00	69.89	A100
EP60	P	000	131.327	90.030	76.730	1.00	69.80	A100
EP61	P	000	131.344	90.200	77.100	1.00	69.71	A100
EP62	P	000	131.361	90.370	77.470	1.00	69.62	A100
EP63	P	000	131.378	90.540	77.840	1.00	69.53	A100
EP64	P	000	131.395	90.710	78.210	1.00	69.44	A100
EP65	P	000	131.412	90.880	78.580	1.00	69.35	A100
EP66	P	000	131.429	91.050	78.950	1.00	69.26	A100
EP67	P	000	131.446	91.220	79.320	1.00	69.17	A100
EP68	P	000	131.463	91.390	79.690	1.00	69.08	A100
EP69	P	000	131.480	91.560	80.060	1.00	68.99	A100
EP70	P	000	131.497	91.730	80.430	1.00	68.90	A100
EP71	P	000	131.514	91.900	80.800	1.00	68.81	A100
EP72	P	000	131.531	92.070	81.170	1.00	68.72	A100
EP73	P	000	131.548	92.240	81.540	1.00	68.63	A100
EP74	P	000	131.565	92.410	81.910	1.00	68.54	A100
EP75	P	000	131.582	92.580	82.280	1.00	68.45	A100
EP76	P	000	131.599	92.750	82.650	1.00	68.36	A100
EP77	P	000	131.616	92.920	83.020	1.00	68.27	A100
EP78	P	000	131.633	93.090	83.390	1.00	68.18	A100
EP79	P	000	131.650	93.260	83.760	1.00	68.09	A100
EP80	P	000	131.667	93.430	84.130	1.00	68.00	A100
EP81	P	000	131.684	93.600	84.500	1.00	67.91	A100
EP82	P	000	131.701	93.770	84.870	1.00	67.82	A100
EP83	P	000	131.718	93.940	85.240	1.00	67.73	A100
EP84	P	000	131.735	94.110	85.610	1.00	67.64	A100
EP85	P	000	131.752	94.280	85.980	1.00	67.55	A100
EP86	P	000	131.769	94.450	86.350	1.00	67.46	A100
EP87	P	000	131.786	94.620	86.720	1.00	67.37	A100
EP88	P	000	131.803	94.790	87.090	1.00	67.28	A100
EP89	P	000	131.820	94.960	87.460	1.00	67.19	A100
EP90	P	000	131.837	95.130	87.830	1.00	67.10	A100
EP91	P	000	131.854	95.300	88.200	1.00	67.01	A100
EP92	P	000	131.871	95.470	88.570	1.00	66.92	A100
EP93	P	000	131.888	95.640	88.940	1.00	66.83	A100
EP94	P	000	131.905	95.810	89.310	1.00	66.74	A100
EP95	P	000	131.922	95.980	89.680	1.00	66.65	A100
EP96	P	000	131.939	96.150	90.050	1.00	66.56	A100
EP97	P	000	131.956	96.320	90.420	1.00	66.47	A100
EP98	P	000	131.973	96.490	90.790	1.00	66.38	A100
EP99	P	000	131.990	96.660	91.160	1.00	66.29	A100
EP100	P	000	132.007	96.830	91.530	1.00	66.20	A100
EP101	P	000	132.024	97.000	91.900	1.00	66.11	A100
EP102	P	000	132.041	97.170	92.270	1.00	66.02	A100
EP103	P	000	132.058	97.340	92.640	1.00	65.93	A100
EP104	P	000	132.075	97.510	93.010	1.00	65.84	A100
EP105	P	000	132.092	97.680	93.380	1.00	65.75	A100
EP106	P	000	132.109	97.850	93.750	1.00	65.66	A100
EP107	P	000	132.126	98.020	94.120	1.00	65.57	A100
EP108	P	000	132.143	98.190	94.490	1.00	65.48	A100
EP109	P	000	132.160	98.360	94.860	1.00	65.39	A100
EP110	P	000	132.177	98.530	95.230	1.00	65.30	A100
EP111	P	000	132.194	98.700	95.600	1.00	65.21	A100
EP112	P	000	132.211	98.870	95.970	1.00	65.12	A100
EP113	P	000	132.228	99.040	96.340	1.00	65.03	A100
EP114	P	000	132.245	99.210	96.710	1.00	64.94	A100
EP115	P	000	132.262	99.380	97.080	1.00	64.85	A100
EP116	P	000	132.279	99.550	97.450	1.00	64.76	A100
EP117	P	000	132.296	99.720	97.820	1.00	64.67	A100
EP118	P	000	132.313	99.890	98.190	1.00	64.58	A100
EP119	P	000	132.330	100.060	98.560	1.00	64.49	A100
EP120	P	000	132.347	100.230	98.930	1.00	64.40	A100
EP121	P	000	132.364	100.400	99.300	1.00	64.31	A100
EP122	P	000	132.381	100.570	99.670	1.00	64.22	A100
EP123	P	000	132.398	100.740	100.040	1.00	64.13	A100
EP124	P	000	132.415	100.910	100.410	1.00	64.04	A100
EP125	P	000	132.432	101.080	100.780	1.00	63.95	A100
EP126	P	000	132.449	101.250	101.150	1.00	63.86	A100
EP127	P	000	132.466	101.420	101.520	1.00	63.77	A100
EP128	P	000	132.483	101.590	101.890	1.00	63.68	A100
EP129	P	000	132.500	101.760	102.260	1.00	63.59	A100
EP130	P	000	132.517	101.930	102.630	1.00	63.50	A100
EP131	P	000	132.534	102.100	103.000	1.00	63.41	A100
EP132	P	000	132.551	102.270	103.370	1.00	63.32	A100
EP133	P	000	132.568	102.440	103.740	1.00	63.23	A100
EP134	P	000	132.585	102.610	104.110	1.00	63.14	A100
EP135	P	000	132.602	102.780	104.480	1.00	63.05	A100
EP136	P	000	132.619	102.950	104.850	1.00	62.96	A100
EP137	P	000	132.636	103.120	105.220	1.00	62.87	A100
EP138	P	000	132.653	103.290	105.590	1.00	62.78	A100
EP139	P	000	132.670	103.460	105.960	1.00	62.69	A100
EP140	P	000	132.687	103.630	106.330	1.00	62.60	A100
EP141								

AT01	2017	C1	C77	950	163,177	107,634	1,715	1,000	12.34	A100	163,167	107,624	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,167	107,624	1,715	1,000	12.34	A100	163,157	107,614	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,157	107,614	1,715	1,000	12.34	A100	163,147	107,604	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,147	107,604	1,715	1,000	12.34	A100	163,137	107,594	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,137	107,594	1,715	1,000	12.34	A100	163,127	107,584	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,127	107,584	1,715	1,000	12.34	A100	163,117	107,574	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,117	107,574	1,715	1,000	12.34	A100	163,107	107,564	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,107	107,564	1,715	1,000	12.34	A100	163,097	107,554	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,097	107,554	1,715	1,000	12.34	A100	163,087	107,544	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,087	107,544	1,715	1,000	12.34	A100	163,077	107,534	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,077	107,534	1,715	1,000	12.34	A100	163,067	107,524	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,067	107,524	1,715	1,000	12.34	A100	163,057	107,514	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,057	107,514	1,715	1,000	12.34	A100	163,047	107,504	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,047	107,504	1,715	1,000	12.34	A100	163,037	107,494	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,037	107,494	1,715	1,000	12.34	A100	163,027	107,484	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,027	107,484	1,715	1,000	12.34	A100	163,017	107,474	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,017	107,474	1,715	1,000	12.34	A100	163,007	107,464	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	163,007	107,464	1,715	1,000	12.34	A100	162,997	107,454	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,997	107,454	1,715	1,000	12.34	A100	162,987	107,444	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,987	107,444	1,715	1,000	12.34	A100	162,977	107,434	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,977	107,434	1,715	1,000	12.34	A100	162,967	107,424	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,967	107,424	1,715	1,000	12.34	A100	162,957	107,414	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,957	107,414	1,715	1,000	12.34	A100	162,947	107,404	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,947	107,404	1,715	1,000	12.34	A100	162,937	107,394	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,937	107,394	1,715	1,000	12.34	A100	162,927	107,384	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,927	107,384	1,715	1,000	12.34	A100	162,917	107,374	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,917	107,374	1,715	1,000	12.34	A100	162,907	107,364	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,907	107,364	1,715	1,000	12.34	A100	162,897	107,354	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,897	107,354	1,715	1,000	12.34	A100	162,887	107,344	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,887	107,344	1,715	1,000	12.34	A100	162,877	107,334	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,877	107,334	1,715	1,000	12.34	A100	162,867	107,324	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,867	107,324	1,715	1,000	12.34	A100	162,857	107,314	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,857	107,314	1,715	1,000	12.34	A100	162,847	107,304	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,847	107,304	1,715	1,000	12.34	A100	162,837	107,294	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,837	107,294	1,715	1,000	12.34	A100	162,827	107,284	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,827	107,284	1,715	1,000	12.34	A100	162,817	107,274	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,817	107,274	1,715	1,000	12.34	A100	162,807	107,264	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,807	107,264	1,715	1,000	12.34	A100	162,797	107,254	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,797	107,254	1,715	1,000	12.34	A100	162,787	107,244	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,787	107,244	1,715	1,000	12.34	A100	162,777	107,234	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,777	107,234	1,715	1,000	12.34	A100	162,767	107,224	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,767	107,224	1,715	1,000	12.34	A100	162,757	107,214	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,757	107,214	1,715	1,000	12.34	A100	162,747	107,204	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,747	107,204	1,715	1,000	12.34	A100	162,737	107,194	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,737	107,194	1,715	1,000	12.34	A100	162,727	107,184	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,727	107,184	1,715	1,000	12.34	A100	162,717	107,174	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,717	107,174	1,715	1,000	12.34	A100	162,707	107,164	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,707	107,164	1,715	1,000	12.34	A100	162,697	107,154	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,697	107,154	1,715	1,000	12.34	A100	162,687	107,144	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,687	107,144	1,715	1,000	12.34	A100	162,677	107,134	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,677	107,134	1,715	1,000	12.34	A100	162,667	107,124	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,667	107,124	1,715	1,000	12.34	A100	162,657	107,114	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,657	107,114	1,715	1,000	12.34	A100	162,647	107,104	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,647	107,104	1,715	1,000	12.34	A100	162,637	107,094	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,637	107,094	1,715	1,000	12.34	A100	162,627	107,084	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,627	107,084	1,715	1,000	12.34	A100	162,617	107,074	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,617	107,074	1,715	1,000	12.34	A100	162,607	107,064	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,607	107,064	1,715	1,000	12.34	A100	162,597	107,054	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,597	107,054	1,715	1,000	12.34	A100	162,587	107,044	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,587	107,044	1,715	1,000	12.34	A100	162,577	107,034	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,577	107,034	1,715	1,000	12.34	A100	162,567	107,024	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,567	107,024	1,715	1,000	12.34	A100	162,557	107,014	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,557	107,014	1,715	1,000	12.34	A100	162,547	107,004	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,547	107,004	1,715	1,000	12.34	A100	162,537	106,994	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,537	106,994	1,715	1,000	12.34	A100	162,527	106,984	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,527	106,984	1,715	1,000	12.34	A100	162,517	106,974	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,517	106,974	1,715	1,000	12.34	A100	162,507	106,964	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,507	106,964	1,715	1,000	12.34	A100	162,497	106,954	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,497	106,954	1,715	1,000	12.34	A100	162,487	106,944	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,487	106,944	1,715	1,000	12.34	A100	162,477	106,934	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,477	106,934	1,715	1,000	12.34	A100	162,467	106,924	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,467	106,924	1,715	1,000	12.34	A100	162,457	106,914	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,457	106,914	1,715	1,000	12.34	A100	162,447	106,904	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,447	106,904	1,715	1,000	12.34	A100	162,437	106,894	1,715	1,000	12.34	A100
AT01	2017	C1	C77	950	162,437	106,894	1,715	1,000	12.34	A10						

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AT00	13427	001	000	170	134.270	100.100	-34.170	1.00	10.42	A100	13454	001	000	170	134.540	100.100	-34.440	1.00	10.42	A100	13481	001	000	170	134.810	100.100	-34.710	1.00	10.42	A100	13508	001	000	170	135.080	100.100	-34.980	1.00	10.42	A100	13535	001	000	170	135.350	100.100	-35.250	1.00	10.42	A100	13562	001	000	170	135.620	100.100	-35.520	1.00	10.42	A100	13589	001	000	170	135.890	100.100	-35.790	1.00	10.42	A100	13616	001	000	170	136.160	100.100	-36.060	1.00	10.42	A100	13643	001	000	170	136.430	100.100	-36.330	1.00	10.42	A100	13670	001	000	170	136.700	100.100	-36.600	1.00	10.42	A100	13697	001	000	170	136.970	100.100	-36.870	1.00	10.42	A100	13724	001	000	170	137.240	100.100	-37.140	1.00	10.42	A100	13751	001	000	170	137.510	100.100	-37.410	1.00	10.42	A100	13778	001	000	170	137.780	100.100	-37.680	1.00	10.42	A100	13805	001	000	170	138.050	100.100	-37.950	1.00	10.42	A100	13832	001	000	170	138.320	100.100	-38.220	1.00	10.42	A100	13859	001	000	170	138.590	100.100	-38.490	1.00	10.42	A100	13886	001	000	170	138.860	100.100	-38.760	1.00	10.42	A100	13913	001	000	170	139.130	100.100	-39.030	1.00	10.42	A100	13940	001	000	170	139.400	100.100	-39.300	1.00	10.42	A100	13967	001	000	170	139.670	100.100	-39.570	1.00	10.42	A100	13994	001	000	170	139.940	100.100	-39.840	1.00	10.42	A100	14021	001	000	170	140.210	100.100	-40.110	1.00	10.42	A100	14048	001	000	170	140.480	100.100	-40.380	1.00	10.42	A100	14075	001	000	170	140.750	100.100	-40.650	1.00	10.42	A100	14102	001	000	170	141.020	100.100	-40.920	1.00	10.42	A100	14129	001	000	170	141.290	100.100	-41.190	1.00	10.42	A100	14156	001	000	170	141.560	100.100	-41.460	1.00	10.42	A100	14183	001	000	170	141.830	100.100	-41.730	1.00	10.42	A100	14210	001	000	170	142.100	100.100	-42.000	1.00	10.42	A100	14237	001	000	170	142.370	100.100	-42.270	1.00	10.42	A100	14264	001	000	170	142.640	100.100	-42.540	1.00	10.42	A100	14291	001	000	170	142.910	100.100	-42.810	1.00	10.42	A100	14318	001	000	170	143.180	100.100	-43.080	1.00	10.42	A100	14345	001	000	170	143.450	100.100	-43.350	1.00	10.42	A100	14372	001	000	170	143.720	100.100	-43.620	1.00	10.42	A100	14399	001	000	170	143.990	100.100	-43.890	1.00	10.42	A100	14426	001	000	170	144.260	100.100	-44.160	1.00	10.42	A100	14453	001	000	170	144.530	100.100	-44.430	1.00	10.42	A100	14480	001	000	170	144.800	100.100	-44.700	1.00	10.42	A100	14507	001	000	170	145.070	100.100	-44.970	1.00	10.42	A100	14534	001	000	170	145.340	100.100	-45.240	1.00	10.42	A100	14561	001	000	170	145.610	100.100	-45.510	1.00	10.42	A100	14588	001	000	170	145.880	100.100	-45.780	1.00	10.42	A100	14615	001	000	170	146.150	100.100	-46.050	1.00	10.42	A100	14642	001	000	170	146.420	100.100	-46.320	1.00	10.42	A100	14669	001	000	170	146.690	100.100	-46.590	1.00	10.42	A100	14696	001	000	170	146.960	100.100	-46.860	1.00	10.42	A100	14723	001	000	170	147.230	100.100	-47.130	1.00	10.42	A100	14750	001	000	170	147.500	100.100	-47.400	1.00	10.42	A100	14777	001	000	170	147.770	100.100	-47.670	1.00	10.42	A100	14804	001	000	170	148.040	100.100	-47.940	1.00	10.42	A100	14831	001	000	170	148.310	100.100	-48.210	1.00	10.42	A100	14858	001	000	170	148.580	100.100	-48.480	1.00	10.42	A100	14885	001	000	170	148.850	100.100	-48.750	1.00	10.42	A100	14912	001	000	170	149.120	100.100	-49.020	1.00	10.42	A100	14939	001	000	170	149.390	100.100	-49.290	1.00	10.42	A100	14966	001	000	170	149.660	100.100	-49.560	1.00	10.42	A100	14993	001	000	170	149.930	100.100	-49.830	1.00	10.42	A100	15020	001	000	170	150.200	100.100	-50.100	1.00	10.42	A100	15047	001	000	170	150.470	100.100	-50.370	1.00	10.42	A100	15074	001	000	170	150.740	100.100	-50.640	1.00	10.42	A100	15101	001	000	170	151.010	100.100	-50.910	1.00	10.42	A100	15128	001	000	170	151.280	100.100	-51.180	1.00	10.42	A100	15155	001	000	170	151.550	100.100	-51.450	1.00	10.42	A100	15182	001	000	170	151.820	100.100	-51.720	1.00	10.42	A100	15209	001	000	170	152.090	100.100	-52.010	1.00	10.42	A100	15236	001	000	170	152.360	100.100	-52.280	1.00	10.42	A100	15263	001	000	170	152.630	100.100	-52.550	1.00	10.42	A100	15290	001	000	170	152.900	100.100	-52.820	1.00	10.42	A100	15317	001	000	170	153.170	100.100	-53.090	1.00	10.42	A100	15344	001	000	170	153.440	100.100	-53.360	1.00	10.42	A100	15371	001	000	170	153.710	100.100	-53.630	1.00	10.42	A100	15398	001	000	170	153.980	100.100	-53.900	1.00	10.42	A100	15425	001	000	170	154.250	100.100	-54.170	1.00	10.42	A100	15452	001	000	170	154.520	100.100	-54.440	1.00	10.42	A100	15479	001	000	170	154.790	100.100	-54.710	1.00	10.42	A100	15506	001	000	170	155.060	100.100	-54.980	1.00	10.42	A100	15533	001	000	170	155.330	100.100	-55.250	1.00	10.42	A100	15560	001	000	170	155.600	100.100	-55.520	1.00	10.42	A100	15587	001	000	170	155.870	100.100	-55.790	1.00	10.42	A100	15614	001	000	170	156.140	100.100	-56.060	1.00	10.42	A100	15641	001	000	170	156.410	100.100	-56.330	1.00	10.42	A100	15668	001	000	170	156.680	100.100	-56.600	1.00	10.42	A100	15695	001	000	170	156.950	100.100	-56.870	1.00	10.42	A100	15722	001	000	170	157.220	100.100	-57.140	1.00	10.42	A100	15749	001	000	170	157.490	100.100	-57.410	1.00	10.42	A100	15776	001	000	170	157.760	100.100	-57.680	1.00	10.42	A100	15803	001	000	170	158.030	100.100	-57.950	1.00	10.42	A100	15830	001	000	170	158.300	100.100	-58.220	1.00	10.42	A100	15857	001	000	170	158.570	100.100	-58.490	1.00	10.42	A100	15884	001	000	170	158.840	100.100	-58.760	1.00	10.42	A100	15911	001	000	170	159.110	100.100	-59.030	1.00	10.42	A100	15938	001	000	170	159.380	100.100	-59.300	1.00	10.42	A100	15965	001	000	170	159.650	100.100	-59.570	1.00	10.42	A100	15992	001	000	170	159.920	100.100	-59.840	1.00	10.42	A100	16019	001	000	170	160.190	100.100	-60.110	1.00	10.42	A100	16046	001	000	170	160.460	100.100	-60.380	1.00	10.42	A100	16073	001	000	170	160.730	100.100	-60.650	1.00	10.42	A100	16100	001	000	170	161.000	100.100	-60.920	1.00	10.42	A100	16127	001	000	170	161.270	100.100	-61.190	1.00	10.42	A100	16154	001	000	170	161.540	100.100	-61.460	1.00	10.42	A100	16181	001	000	170	161.810	100.100	-61.730	1.00	10.42	A100	16208	001	000	170	162.080	100.100	-62.000	1.00	10.42	A100	16235	001	000	170	162.350	100.100	-62.270	1.00	10.42	A100	16262	001	000	170	162.620	100.100	-62.540	1.00	10.42	A100	16289	001	000	170	162.890	100.100	-62.810	1.00	10.42	A100	16316	001	000	170	163.160	100.100	-63.080	1.00	10.42	A100	16343	001	000	170	163.430	100.100	-63.350	1.00	10.42	A100	16370	001	000	170	163.700	100.100	-63.620	1.00	10.42	A100	16397	001	000	170	163.970	100.100	-63.890	1.00	10.42	A100	16424	001	000	170	164.240	100.100	-64.160	1.00	10.42	A100	16451	001	000	170	164.510	100.100	-64.430	1.00	10.42	A100	16478	001	000	170	164.780	100.100	-64.700	1.00	10.42	A100	16505	001	000	170	165.050	100.100	-64.970	1.00	10.42	A100	16532	001	000	170	165.320	100.100	-65.240	1.00	10.42	A100	16559	001	000	170	165.590	100.100	-65.510	1.00	10.42	A100	16586	001	000	170	165.860	100.100	-65.780	1.00	10.42	A100	16613	001	000	170	166.130	100.100	-66.050	1.00	10.42	A100	16640	001	000	170	166.400	100.100	-66.320	1.00	10.42	A100	16667	001	000	170	166.670	100.100	-66.590	1.00	10.42	A100	16694	001	000	170	166.940	100.100	-66.860	1.00	10.42	A100	16721	001	000	170	167.210	100.100	-67.130	1.00	10.42	A100	16748	001	000	170	167.480	100.100	-67.400	1.00	10.42	A100	16775	001	000	170	167.750	100.100	-67.670	1.00	10.42	A100	16802	001	000	170	168.020	100.100	-67.940	1.00	10.42	A100	16829	001	000	170	168.290	100.100	-68.210	1.00	10.42	A100	16856	001	000	170	168.560	100.100	-68.480
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ATCO 17111	P1	WEE	575	313.479	100.336	-7.730	1.00	36.13	A100
ATCO 17112	P1	WEE	575	313.472	100.087	-8.680	1.00	36.13	A100
ATCO 17113	P1	WEE	575	313.466	100.012	-9.530	1.00	36.14	A100
ATCO 17114	P1	WEE	575	313.460	99.937	-10.380	1.00	36.14	A100
ATCO 17115	P1	WEE	575	313.454	99.862	-11.230	1.00	36.14	A100
ATCO 17116	P1	WEE	575	313.448	99.787	-12.080	1.00	36.14	A100
ATCO 17117	P1	WEE	575	313.442	99.712	-12.930	1.00	36.14	A100
ATCO 17118	P1	WEE	575	313.436	99.637	-13.780	1.00	36.14	A100
ATCO 17119	P1	WEE	575	313.430	99.562	-14.630	1.00	36.14	A100
ATCO 17120	P1	WEE	575	313.424	99.487	-15.480	1.00	36.14	A100
ATCO 17121	P1	WEE	575	313.418	99.412	-16.330	1.00	36.14	A100
ATCO 17122	P1	WEE	575	313.412	99.337	-17.180	1.00	36.14	A100
ATCO 17123	P1	WEE	575	313.406	99.262	-18.030	1.00	36.14	A100
ATCO 17124	P1	WEE	575	313.400	99.187	-18.880	1.00	36.14	A100
ATCO 17125	P1	WEE	575	313.394	99.112	-19.730	1.00	36.14	A100
ATCO 17126	P1	WEE	575	313.388	99.037	-20.580	1.00	36.14	A100
ATCO 17127	P1	WEE	575	313.382	98.962	-21.430	1.00	36.14	A100
ATCO 17128	P1	WEE	575	313.376	98.887	-22.280	1.00	36.14	A100
ATCO 17129	P1	WEE	575	313.370	98.812	-23.130	1.00	36.14	A100
ATCO 17130	P1	WEE	575	313.364	98.737	-23.980	1.00	36.14	A100
ATCO 17131	P1	WEE	575	313.358	98.662	-24.830	1.00	36.14	A100
ATCO 17132	P1	WEE	575	313.352	98.587	-25.680	1.00	36.14	A100
ATCO 17133	P1	WEE	575	313.346	98.512	-26.530	1.00	36.14	A100
ATCO 17134	P1	WEE	575	313.340	98.437	-27.380	1.00	36.14	A100
ATCO 17135	P1	WEE	575	313.334	98.362	-28.230	1.00	36.14	A100
ATCO 17136	P1	WEE	575	313.328	98.287	-29.080	1.00	36.14	A100
ATCO 17137	P1	WEE	575	313.322	98.212	-29.930	1.00	36.14	A100
ATCO 17138	P1	WEE	575	313.316	98.137	-30.780	1.00	36.14	A100
ATCO 17139	P1	WEE	575	313.310	98.062	-31.630	1.00	36.14	A100
ATCO 17140	P1	WEE	575	313.304	97.987	-32.480	1.00	36.14	A100
ATCO 17141	P1	WEE	575	313.298	97.912	-33.330	1.00	36.14	A100
ATCO 17142	P1	WEE	575	313.292	97.837	-34.180	1.00	36.14	A100
ATCO 17143	P1	WEE	575	313.286	97.762	-35.030	1.00	36.14	A100
ATCO 17144	P1	WEE	575	313.280	97.687	-35.880	1.00	36.14	A100
ATCO 17145	P1	WEE	575	313.274	97.612	-36.730	1.00	36.14	A100
ATCO 17146	P1	WEE	575	313.268	97.537	-37.580	1.00	36.14	A100
ATCO 17147	P1	WEE	575	313.262	97.462	-38.430	1.00	36.14	A100
ATCO 17148	P1	WEE	575	313.256	97.387	-39.280	1.00	36.14	A100
ATCO 17149	P1	WEE	575	313.250	97.312	-40.130	1.00	36.14	A100
ATCO 17150	P1	WEE	575	313.244	97.237	-40.980	1.00	36.14	A100
ATCO 17151	P1	WEE	575	313.238	97.162	-41.830	1.00	36.14	A100
ATCO 17152	P1	WEE	575	313.232	97.087	-42.680	1.00	36.14	A100
ATCO 17153	P1	WEE	575	313.226	97.012	-43.530	1.00	36.14	A100
ATCO 17154	P1	WEE	575	313.220	96.937	-44.380	1.00	36.14	A100
ATCO 17155	P1	WEE	575	313.214	96.862	-45.230	1.00	36.14	A100
ATCO 17156	P1	WEE	575	313.208	96.787	-46.080	1.00	36.14	A100
ATCO 17157	P1	WEE	575	313.202	96.712	-46.930	1.00	36.14	A100
ATCO 17158	P1	WEE	575	313.196	96.637	-47.780	1.00	36.14	A100
ATCO 17159	P1	WEE	575	313.190	96.562	-48.630	1.00	36.14	A100
ATCO 17160	P1	WEE	575	313.184	96.487	-49.480	1.00	36.14	A100
ATCO 17161	P1	WEE	575	313.178	96.412	-50.330	1.00	36.14	A100
ATCO 17162	P1	WEE	575	313.172	96.337	-51.180	1.00	36.14	A100
ATCO 17163	P1	WEE	575	313.166	96.262	-52.030	1.00	36.14	A100
ATCO 17164	P1	WEE	575	313.160	96.187	-52.880	1.00	36.14	A100
ATCO 17165	P1	WEE	575	313.154	96.112	-53.730	1.00	36.14	A100
ATCO 17166	P1	WEE	575	313.148	96.037	-54.580	1.00	36.14	A100
ATCO 17167	P1	WEE	575	313.142	95.962	-55.430	1.00	36.14	A100
ATCO 17168	P1	WEE	575	313.136	95.887	-56.280	1.00	36.14	A100
ATCO 17169	P1	WEE	575	313.130	95.812	-57.130	1.00	36.14	A100
ATCO 17170	P1	WEE	575	313.124	95.737	-57.980	1.00	36.14	A100
ATCO 17171	P1	WEE	575	313.118	95.662	-58.830	1.00	36.14	A100
ATCO 17172	P1	WEE	575	313.112	95.587	-59.680	1.00	36.14	A100
ATCO 17173	P1	WEE	575	313.106	95.512	-60.530	1.00	36.14	A100
ATCO 17174	P1	WEE	575	313.100	95.437	-61.380	1.00	36.14	A100
ATCO 17175	P1	WEE	575	313.094	95.362	-62.230	1.00	36.14	A100
ATCO 17176	P1	WEE	575	313.088	95.287	-63.080	1.00	36.14	A100
ATCO 17177	P1	WEE	575	313.082	95.212	-63.930	1.00	36.14	A100
ATCO 17178	P1	WEE	575	313.076	95.137	-64.780	1.00	36.14	A100
ATCO 17179	P1	WEE	575	313.070	95.062	-65.630	1.00	36.14	A100
ATCO 17180	P1	WEE	575	313.064	94.987	-66.480	1.00	36.14	A100
ATCO 17181	P1	WEE	575	313.058	94.912	-67.330	1.00	36.14	A100
ATCO 17182	P1	WEE	575	313.052	94.837	-68.180	1.00	36.14	A100
ATCO 17183	P1	WEE	575	313.046	94.762	-69.030	1.00	36.14	A100
ATCO 17184	P1	WEE	575	313.040	94.687	-69.880	1.00	36.14	A100
ATCO 17185	P1	WEE	575	313.034	94.612	-70.730	1.00	36.14	A100
ATCO 17186	P1	WEE	575	313.028	94.537	-71.580	1.00	36.14	A100
ATCO 17187	P1	WEE	575	313.022	94.462	-72.430	1.00	36.14	A100
ATCO 17188	P1	WEE	575	313.016	94.387	-73.280	1.00	36.14	A100
ATCO 17189	P1	WEE	575	313.010	94.312	-74.130	1.00	36.14	A100
ATCO 17190	P1	WEE	575	313.004	94.237	-74.980	1.00	36.14	A100
ATCO 17191	P1	WEE	575	312.998	94.162	-75.830	1.00	36.14	A100
ATCO 17192	P1	WEE	575	312.992	94.087	-76.680	1.00	36.14	A100
ATCO 17193	P1	WEE	575	312.986	94.012	-77.530	1.00	36.14	A100
ATCO 17194	P1	WEE	575	312.980	93.937	-78.380	1.00	36.14	A100
ATCO 17195	P1	WEE	575	312.974	93.862	-79.230	1.00	36.14	A100
ATCO 17196	P1	WEE	575	312.968	93.787	-80.080	1.00	36.14	A100
ATCO 17197	P1	WEE	575	312.962	93.712	-80.930	1.00	36.14	A100
ATCO 17198	P1	WEE	575	312.956	93.637	-81.780	1.00	36.14	A100
ATCO 17199	P1	WEE	575	312.950	93.562	-82.630	1.00	36.14	A100
ATCO 17200	P1	WEE	575	312.944	93.487	-83.480	1.00	36.14	A100
ATCO 17201	P1	WEE	575	312.938	93.412	-84.330	1.00	36.14	A100
ATCO 17202	P1	WEE	575	312.932	93.337	-85.180	1.00	36.14	A100
ATCO 17203	P1	WEE	575	312.926	93.262	-86.030	1.00	36.14	A100
ATCO 17204	P1	WEE	575	312.920	93.187	-86.880	1.00	36.14	A100
ATCO 17205	P1	WEE	575	312.914	93.112	-87.730	1.00	36.14	A100
ATCO 17206	P1	WEE	575	312.908	93.037	-88.580	1.00	36.14	A100
ATCO 17207	P1	WEE	575	312.902	92.962	-89.430	1.00	36.14	A100
ATCO 17208	P1	WEE	575	312.896	92.887	-90.280	1.00	36.14	A100
ATCO 17209	P1	WEE	575	312.890	92.812	-91.130	1.00	36.14	A100
ATCO 17210	P1	WEE	575	312.884	92.737	-91.980	1.00	36.14	A100
ATCO 17211	P1	WEE	575	312.878	92.662	-92.830	1.00	36.14	A100
ATCO 17212	P1	WEE	575	312.872	92.587	-93.680	1.00	36.14	A100
ATCO 17213	P1	WEE	575	312.866	92.512	-94.530	1.00	36.14	A100
ATCO 17214	P1	WEE	575	312.860	92.437	-95.380	1.00	36.14	A100
ATCO 17215	P1	WEE	575	312.854	92.362	-96.230	1.00	36.14	A100
ATCO 17216	P1	WEE	575	312.848	92.287	-97.080	1.00	36.14	A100
ATCO 17217	P1	WEE	575	312.842	92.212	-97.930	1.00	36.14	A100
ATCO 17218	P1	WEE	575	312.836	92.137	-98.780	1.00	36.14	A100
ATCO 17219	P1	WEE	575	312.830	92.062	-99.630	1.00	36.14	A100
ATCO 17220	P1	WEE	575	312.824	91.987	-100.480	1.00	36.14	A100
ATCO 17221	P1	WEE	575	312.818	91.912	-101.330	1.00	36.14	A100
ATCO 17222	P1	WEE	575	312.812	91.837	-102.180	1.00	36.14	A100
ATCO 17223	P1	WEE	575	312.806	91.762	-103.030	1.00	36.14	A100
ATCO 17224	P1	WEE	575	312.800	91.687	-103.880	1.00	36.14	A100
ATCO 17225	P1	WEE	575	312.794	91.612	-104.730	1.00	36.14	A100
ATCO 17226	P1	WEE	575	312.788	91.537	-105.580	1.00	36.14	A100
ATCO 17227	P1	WEE	575	312.782	91.462	-106.430	1.00	36.14	A100
ATCO 17228	P1	WEE	575	312.776	91.387	-107.280	1.00	36.14	A100
ATCO 17229	P1	WEE	575	312.770	91.312	-108.130	1.00	36.14	A100
ATCO 17230	P1	WEE	575	312.764	91.237	-108.980	1.00	36.14	A100
ATCO 17231	P1	WEE	575	312.758	91.162	-109.830	1.00	36.14	A100
ATCO 17232	P1	WEE	575						

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ATM 34102	C1	774	177,200	109,340	-67,860	1.00	47.96	A100
ATM 34103	C1	774	177,230	109,380	-67,850	1.00	48.06	A100
ATM 34104	C1	774	177,260	109,420	-67,840	1.00	48.16	A100
ATM 34105	C1	774	177,290	109,460	-67,830	1.00	48.26	A100
ATM 34106	C1	774	177,320	109,500	-67,820	1.00	48.36	A100
ATM 34107	C1	774	177,350	109,540	-67,810	1.00	48.46	A100
ATM 34108	C1	774	177,380	109,580	-67,800	1.00	48.56	A100
ATM 34109	C1	774	177,410	109,620	-67,790	1.00	48.66	A100
ATM 34110	C1	774	177,440	109,660	-67,780	1.00	48.76	A100
ATM 34111	C1	774	177,470	109,700	-67,770	1.00	48.86	A100
ATM 34112	C1	774	177,500	109,740	-67,760	1.00	48.96	A100
ATM 34113	C1	774	177,530	109,780	-67,750	1.00	49.06	A100
ATM 34114	C1	774	177,560	109,820	-67,740	1.00	49.16	A100
ATM 34115	C1	774	177,590	109,860	-67,730	1.00	49.26	A100
ATM 34116	C1	774	177,620	109,900	-67,720	1.00	49.36	A100
ATM 34117	C1	774	177,650	109,940	-67,710	1.00	49.46	A100
ATM 34118	C1	774	177,680	109,980	-67,700	1.00	49.56	A100
ATM 34119	C1	774	177,710	110,020	-67,690	1.00	49.66	A100
ATM 34120	C1	774	177,740	110,060	-67,680	1.00	49.76	A100
ATM 34121	C1	774	177,770	110,100	-67,670	1.00	49.86	A100
ATM 34122	C1	774	177,800	110,140	-67,660	1.00	49.96	A100
ATM 34123	C1	774	177,830	110,180	-67,650	1.00	50.06	A100
ATM 34124	C1	774	177,860	110,220	-67,640	1.00	50.16	A100
ATM 34125	C1	774	177,890	110,260	-67,630	1.00	50.26	A100
ATM 34126	C1	774	177,920	110,300	-67,620	1.00	50.36	A100
ATM 34127	C1	774	177,950	110,340	-67,610	1.00	50.46	A100
ATM 34128	C1	774	177,980	110,380	-67,600	1.00	50.56	A100
ATM 34129	C1	774	178,010	110,420	-67,590	1.00	50.66	A100
ATM 34130	C1	774	178,040	110,460	-67,580	1.00	50.76	A100
ATM 34131	C1	774	178,070	110,500	-67,570	1.00	50.86	A100
ATM 34132	C1	774	178,100	110,540	-67,560	1.00	50.96	A100
ATM 34133	C1	774	178,130	110,580	-67,550	1.00	51.06	A100
ATM 34134	C1	774	178,160	110,620	-67,540	1.00	51.16	A100
ATM 34135	C1	774	178,190	110,660	-67,530	1.00	51.26	A100
ATM 34136	C1	774	178,220	110,700	-67,520	1.00	51.36	A100
ATM 34137	C1	774	178,250	110,740	-67,510	1.00	51.46	A100
ATM 34138	C1	774	178,280	110,780	-67,500	1.00	51.56	A100
ATM 34139	C1	774	178,310	110,820	-67,490	1.00	51.66	A100
ATM 34140	C1	774	178,340	110,860	-67,480	1.00	51.76	A100
ATM 34141	C1	774	178,370	110,900	-67,470	1.00	51.86	A100
ATM 34142	C1	774	178,400	110,940	-67,460	1.00	51.96	A100
ATM 34143	C1	774	178,430	110,980	-67,450	1.00	52.06	A100
ATM 34144	C1	774	178,460	111,020	-67,440	1.00	52.16	A100
ATM 34145	C1	774	178,490	111,060	-67,430	1.00	52.26	A100
ATM 34146	C1	774	178,520	111,100	-67,420	1.00	52.36	A100
ATM 34147	C1	774	178,550	111,140	-67,410	1.00	52.46	A100
ATM 34148	C1	774	178,580	111,180	-67,400	1.00	52.56	A100
ATM 34149	C1	774	178,610	111,220	-67,390	1.00	52.66	A100
ATM 34150	C1	774	178,640	111,260	-67,380	1.00	52.76	A100
ATM 34151	C1	774	178,670	111,300	-67,370	1.00	52.86	A100
ATM 34152	C1	774	178,700	111,340	-67,360	1.00	52.96	A100
ATM 34153	C1	774	178,730	111,380	-67,350	1.00	53.06	A100
ATM 34154	C1	774	178,760	111,420	-67,340	1.00	53.16	A100
ATM 34155	C1	774	178,790	111,460	-67,330	1.00	53.26	A100
ATM 34156	C1	774	178,820	111,500	-67,320	1.00	53.36	A100
ATM 34157	C1	774	178,850	111,540	-67,310	1.00	53.46	A100
ATM 34158	C1	774	178,880	111,580	-67,300	1.00	53.56	A100
ATM 34159	C1	774	178,910	111,620	-67,290	1.00	53.66	A100
ATM 34160	C1	774	178,940	111,660	-67,280	1.00	53.76	A100
ATM 34161	C1	774	178,970	111,700	-67,270	1.00	53.86	A100
ATM 34162	C1	774	179,000	111,740	-67,260	1.00	53.96	A100
ATM 34163	C1	774	179,030	111,780	-67,250	1.00	54.06	A100
ATM 34164	C1	774	179,060	111,820	-67,240	1.00	54.16	A100
ATM 34165	C1	774	179,090	111,860	-67,230	1.00	54.26	A100
ATM 34166	C1	774	179,120	111,900	-67,220	1.00	54.36	A100
ATM 34167	C1	774	179,150	111,940	-67,210	1.00	54.46	A100
ATM 34168	C1	774	179,180	111,980	-67,200	1.00	54.56	A100
ATM 34169	C1	774	179,210	112,020	-67,190	1.00	54.66	A100
ATM 34170	C1	774	179,240	112,060	-67,180	1.00	54.76	A100
ATM 34171	C1	774	179,270	112,100	-67,170	1.00	54.86	A100
ATM 34172	C1	774	179,300	112,140	-67,160	1.00	54.96	A100
ATM 34173	C1	774	179,330	112,180	-67,150	1.00	55.06	A100
ATM 34174	C1	774	179,360	112,220	-67,140	1.00	55.16	A100
ATM 34175	C1	774	179,390	112,260	-67,130	1.00	55.26	A100
ATM 34176	C1	774	179,420	112,300	-67,120	1.00	55.36	A100
ATM 34177	C1	774	179,450	112,340	-67,110	1.00	55.46	A100
ATM 34178	C1	774	179,480	112,380	-67,100	1.00	55.56	A100
ATM 34179	C1	774	179,510	112,420	-67,090	1.00	55.66	A100
ATM 34180	C1	774	179,540	112,460	-67,080	1.00	55.76	A100
ATM 34181	C1	774	179,570	112,500	-67,070	1.00	55.86	A100
ATM 34182	C1	774	179,600	112,540	-67,060	1.00	55.96	A100
ATM 34183	C1	774	179,630	112,580	-67,050	1.00	56.06	A100
ATM 34184	C1	774	179,660	112,620	-67,040	1.00	56.16	A100
ATM 34185	C1	774	179,690	112,660	-67,030	1.00	56.26	A100
ATM 34186	C1	774	179,720	112,700	-67,020	1.00	56.36	A100
ATM 34187	C1	774	179,750	112,740	-67,010	1.00	56.46	A100
ATM 34188	C1	774	179,780	112,780	-67,000	1.00	56.56	A100
ATM 34189	C1	774	179,810	112,820	-66,990	1.00	56.66	A100
ATM 34190	C1	774	179,840	112,860	-66,980	1.00	56.76	A100
ATM 34191	C1	774	179,870	112,900	-66,970	1.00	56.86	A100
ATM 34192	C1	774	179,900	112,940	-66,960	1.00	56.96	A100
ATM 34193	C1	774	179,930	112,980	-66,950	1.00	57.06	A100
ATM 34194	C1	774	179,960	113,020	-66,940	1.00	57.16	A100
ATM 34195	C1	774	179,990	113,060	-66,930	1.00	57.26	A100
ATM 34196	C1	774	180,020	113,100	-66,920	1.00	57.36	A100
ATM 34197	C1	774	180,050	113,140	-66,910	1.00	57.46	A100
ATM 34198	C1	774	180,080	113,180	-66,900	1.00	57.56	A100
ATM 34199	C1	774	180,110	113,220	-66,890	1.00	57.66	A100
ATM 34200	C1	774	180,140	113,260	-66,880	1.00	57.76	A100
ATM 34201	C1	774	180,170	113,300	-66,870	1.00	57.86	A100
ATM 34202	C1	774	180,200	113,340	-66,860	1.00	57.96	A100
ATM 34203	C1	774	180,230	113,380	-66,850	1.00	58.06	A100
ATM 34204	C1	774	180,260	113,420	-66,840	1.00	58.16	A100
ATM 34205	C1	774	180,290	113,460	-66,830	1.00	58.26	A100
ATM 34206	C1	774	180,320	113,500	-66,820	1.00	58.36	A100
ATM 34207	C1	774	180,350	113,540	-66,810	1.00	58.46	A100
ATM 34208	C1	774	180,380	113,580	-66,800	1.00	58.56	A100
ATM 34209	C1	774	180,410	113,620	-66,790	1.00	58.66	A100
ATM 34210	C1	774	180,440	113,660	-66,780	1.00	58.76	A100
ATM 34211	C1	774	180,470	113,700	-66,770	1.00	58.86	A100
ATM 34212	C1	774	180,500	113,740	-66,760	1.00	58.96	A100
ATM 34213	C1	774	180,530	113,780	-66,750	1.00	59.06	A100
ATM 34214	C1	774	180,560	113,820	-66,740	1.00	59.16	A100
ATM 34215	C1	774	180,590	113,860	-66,730	1.00	59.26	A100
ATM 34216	C1	774	180,620	113,900	-66,720	1.00	59.36	A100
ATM 34217	C1	774	180,650	113,940	-66,710	1.00	59.46	A100
ATM 34218	C1	774	180,680	113,980	-66,700	1.00	59.56	A100
ATM 34219	C1	774	180,710	114,020	-66,690	1.00	59.66	A100
ATM 34220	C1	774	180,740	114,060	-66,680	1.00	59.76	A100
ATM 34221	C1	774	180,770	114,100	-66,670	1.00	59.86	A100
ATM 34222	C1	774	180,800	114,140	-66,660	1.00	59.96	A100
ATM 34223	C1	774	180,830	114,180	-66,650	1.00	60.06	A100
ATM 34224	C1	774	180,860	114,220	-66,640	1.00	60.16	A100
ATM 34225	C1	774	180,890	114,260	-66,630	1.00	60.26	A100
ATM 34226	C1	774	180,920	114,300	-66,620	1.00	60.36	A100
ATM 34227	C1	774	180,950	114,340	-66,610	1.00	60.46	A100
ATM 34228	C1	774	180,980	114,380	-66,600	1.00	60.56	A100
ATM 34229	C1	774	181,010	114,420	-66,590	1.00	60.66	A100
ATM 34230	C1	774	181,040	114,460	-66,580	1.00	60.76	A100
ATM 34231								

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AT001	0000	C	000	001	319.412 113.201	01.311	0.001346,32	A100	0000	0012	001	000	000	743.820 109.436	00.476	1.001312,10	A100
AT002	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0013	001	000	000	743.870 109.470	00.477	1.001312,10	A100
AT003	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0014	001	000	000	743.920 109.500	00.478	1.001312,10	A100
AT004	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0015	001	000	000	743.970 109.530	00.479	1.001312,10	A100
AT005	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0016	001	000	000	744.020 109.560	00.480	1.001312,10	A100
AT006	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0017	001	000	000	744.070 109.590	00.481	1.001312,10	A100
AT007	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0018	001	000	000	744.120 109.620	00.482	1.001312,10	A100
AT008	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0019	001	000	000	744.170 109.650	00.483	1.001312,10	A100
AT009	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0020	001	000	000	744.220 109.680	00.484	1.001312,10	A100
AT010	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0021	001	000	000	744.270 109.710	00.485	1.001312,10	A100
AT011	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0022	001	000	000	744.320 109.740	00.486	1.001312,10	A100
AT012	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0023	001	000	000	744.370 109.770	00.487	1.001312,10	A100
AT013	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0024	001	000	000	744.420 109.800	00.488	1.001312,10	A100
AT014	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0025	001	000	000	744.470 109.830	00.489	1.001312,10	A100
AT015	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0026	001	000	000	744.520 109.860	00.490	1.001312,10	A100
AT016	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0027	001	000	000	744.570 109.890	00.491	1.001312,10	A100
AT017	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0028	001	000	000	744.620 109.920	00.492	1.001312,10	A100
AT018	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0029	001	000	000	744.670 109.950	00.493	1.001312,10	A100
AT019	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0030	001	000	000	744.720 109.980	00.494	1.001312,10	A100
AT020	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0031	001	000	000	744.770 110.010	00.495	1.001312,10	A100
AT021	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0032	001	000	000	744.820 110.040	00.496	1.001312,10	A100
AT022	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0033	001	000	000	744.870 110.070	00.497	1.001312,10	A100
AT023	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0034	001	000	000	744.920 110.100	00.498	1.001312,10	A100
AT024	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0035	001	000	000	744.970 110.130	00.499	1.001312,10	A100
AT025	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0036	001	000	000	745.020 110.160	00.500	1.001312,10	A100
AT026	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0037	001	000	000	745.070 110.190	00.501	1.001312,10	A100
AT027	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0038	001	000	000	745.120 110.220	00.502	1.001312,10	A100
AT028	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0039	001	000	000	745.170 110.250	00.503	1.001312,10	A100
AT029	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0040	001	000	000	745.220 110.280	00.504	1.001312,10	A100
AT030	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0041	001	000	000	745.270 110.310	00.505	1.001312,10	A100
AT031	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0042	001	000	000	745.320 110.340	00.506	1.001312,10	A100
AT032	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0043	001	000	000	745.370 110.370	00.507	1.001312,10	A100
AT033	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0044	001	000	000	745.420 110.400	00.508	1.001312,10	A100
AT034	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0045	001	000	000	745.470 110.430	00.509	1.001312,10	A100
AT035	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0046	001	000	000	745.520 110.460	00.510	1.001312,10	A100
AT036	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0047	001	000	000	745.570 110.490	00.511	1.001312,10	A100
AT037	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0048	001	000	000	745.620 110.520	00.512	1.001312,10	A100
AT038	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0049	001	000	000	745.670 110.550	00.513	1.001312,10	A100
AT039	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0050	001	000	000	745.720 110.580	00.514	1.001312,10	A100
AT040	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0051	001	000	000	745.770 110.610	00.515	1.001312,10	A100
AT041	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0052	001	000	000	745.820 110.640	00.516	1.001312,10	A100
AT042	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0053	001	000	000	745.870 110.670	00.517	1.001312,10	A100
AT043	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0054	001	000	000	745.920 110.700	00.518	1.001312,10	A100
AT044	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0055	001	000	000	745.970 110.730	00.519	1.001312,10	A100
AT045	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0056	001	000	000	746.020 110.760	00.520	1.001312,10	A100
AT046	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0057	001	000	000	746.070 110.790	00.521	1.001312,10	A100
AT047	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0058	001	000	000	746.120 110.820	00.522	1.001312,10	A100
AT048	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0059	001	000	000	746.170 110.850	00.523	1.001312,10	A100
AT049	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0060	001	000	000	746.220 110.880	00.524	1.001312,10	A100
AT050	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0061	001	000	000	746.270 110.910	00.525	1.001312,10	A100
AT051	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0062	001	000	000	746.320 110.940	00.526	1.001312,10	A100
AT052	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0063	001	000	000	746.370 110.970	00.527	1.001312,10	A100
AT053	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0064	001	000	000	746.420 111.000	00.528	1.001312,10	A100
AT054	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0065	001	000	000	746.470 111.030	00.529	1.001312,10	A100
AT055	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0066	001	000	000	746.520 111.060	00.530	1.001312,10	A100
AT056	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0067	001	000	000	746.570 111.090	00.531	1.001312,10	A100
AT057	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0068	001	000	000	746.620 111.120	00.532	1.001312,10	A100
AT058	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0069	001	000	000	746.670 111.150	00.533	1.001312,10	A100
AT059	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0070	001	000	000	746.720 111.180	00.534	1.001312,10	A100
AT060	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0071	001	000	000	746.770 111.210	00.535	1.001312,10	A100
AT061	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0072	001	000	000	746.820 111.240	00.536	1.001312,10	A100
AT062	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0073	001	000	000	746.870 111.270	00.537	1.001312,10	A100
AT063	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100	0000	0074	001	000	000	746.920 111.300	00.538	1.001312,10	A100
AT064	0000	C	000	001	316.932 113.206	01.322	0.001346,32	A100									

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EP0017791	A	1974	274,540	164,387	-1,463	1.00	66.77	A100
EP0017792	C	1974	279,243	167,013	-1,775	1.00	66.77	A100
EP0017793	A	1974	280,424	168,230	-1,771	1.00	66.77	A100
EP0017794	A	1974	281,605	169,447	-1,767	1.00	66.77	A100
EP0017795	A	1974	282,786	170,664	-1,763	1.00	66.77	A100
EP0017796	A	1974	283,967	171,881	-1,759	1.00	66.77	A100
EP0017797	A	1974	285,148	173,098	-1,755	1.00	66.77	A100
EP0017798	A	1974	286,329	174,315	-1,751	1.00	66.77	A100
EP0017799	A	1974	287,510	175,532	-1,747	1.00	66.77	A100
EP0017800	A	1974	288,691	176,749	-1,743	1.00	66.77	A100
EP0017801	A	1974	289,872	177,966	-1,739	1.00	66.77	A100
EP0017802	A	1974	291,053	179,183	-1,735	1.00	66.77	A100
EP0017803	A	1974	292,234	180,400	-1,731	1.00	66.77	A100
EP0017804	A	1974	293,415	181,617	-1,727	1.00	66.77	A100
EP0017805	A	1974	294,596	182,834	-1,723	1.00	66.77	A100
EP0017806	A	1974	295,777	184,051	-1,719	1.00	66.77	A100
EP0017807	A	1974	296,958	185,268	-1,715	1.00	66.77	A100
EP0017808	A	1974	298,139	186,485	-1,711	1.00	66.77	A100
EP0017809	A	1974	299,320	187,702	-1,707	1.00	66.77	A100
EP0017810	A	1974	300,501	188,919	-1,703	1.00	66.77	A100
EP0017811	A	1974	301,682	190,136	-1,699	1.00	66.77	A100
EP0017812	A	1974	302,863	191,353	-1,695	1.00	66.77	A100
EP0017813	A	1974	304,044	192,570	-1,691	1.00	66.77	A100
EP0017814	A	1974	305,225	193,787	-1,687	1.00	66.77	A100
EP0017815	A	1974	306,406	195,004	-1,683	1.00	66.77	A100
EP0017816	A	1974	307,587	196,221	-1,679	1.00	66.77	A100
EP0017817	A	1974	308,768	197,438	-1,675	1.00	66.77	A100
EP0017818	A	1974	309,949	198,655	-1,671	1.00	66.77	A100
EP0017819	A	1974	311,130	199,872	-1,667	1.00	66.77	A100
EP0017820	A	1974	312,311	201,089	-1,663	1.00	66.77	A100
EP0017821	A	1974	313,492	202,306	-1,659	1.00	66.77	A100
EP0017822	A	1974	314,673	203,523	-1,655	1.00	66.77	A100
EP0017823	A	1974	315,854	204,740	-1,651	1.00	66.77	A100
EP0017824	A	1974	317,035	205,957	-1,647	1.00	66.77	A100
EP0017825	A	1974	318,216	207,174	-1,643	1.00	66.77	A100
EP0017826	A	1974	319,397	208,391	-1,639	1.00	66.77	A100
EP0017827	A	1974	320,578	209,608	-1,635	1.00	66.77	A100
EP0017828	A	1974	321,759	210,825	-1,631	1.00	66.77	A100
EP0017829	A	1974	322,940	212,042	-1,627	1.00	66.77	A100
EP0017830	A	1974	324,121	213,259	-1,623	1.00	66.77	A100
EP0017831	A	1974	325,302	214,476	-1,619	1.00	66.77	A100
EP0017832	A	1974	326,483	215,693	-1,615	1.00	66.77	A100
EP0017833	A	1974	327,664	216,910	-1,611	1.00	66.77	A100
EP0017834	A	1974	328,845	218,127	-1,607	1.00	66.77	A100
EP0017835	A	1974	330,026	219,344	-1,603	1.00	66.77	A100
EP0017836	A	1974	331,207	220,561	-1,599	1.00	66.77	A100
EP0017837	A	1974	332,388	221,778	-1,595	1.00	66.77	A100
EP0017838	A	1974	333,569	222,995	-1,591	1.00	66.77	A100
EP0017839	A	1974	334,750	224,212	-1,587	1.00	66.77	A100
EP0017840	A	1974	335,931	225,429	-1,583	1.00	66.77	A100
EP0017841	A	1974	337,112	226,646	-1,579	1.00	66.77	A100
EP0017842	A	1974	338,293	227,863	-1,575	1.00	66.77	A100
EP0017843	A	1974	339,474	229,080	-1,571	1.00	66.77	A100
EP0017844	A	1974	340,655	230,297	-1,567	1.00	66.77	A100
EP0017845	A	1974	341,836	231,514	-1,563	1.00	66.77	A100
EP0017846	A	1974	343,017	232,731	-1,559	1.00	66.77	A100
EP0017847	A	1974	344,198	233,948	-1,555	1.00	66.77	A100
EP0017848	A	1974	345,379	235,165	-1,551	1.00	66.77	A100
EP0017849	A	1974	346,560	236,382	-1,547	1.00	66.77	A100
EP0017850	A	1974	347,741	237,599	-1,543	1.00	66.77	A100
EP0017851	A	1974	348,922	238,816	-1,539	1.00	66.77	A100
EP0017852	A	1974	350,103	240,033	-1,535	1.00	66.77	A100
EP0017853	A	1974	351,284	241,250	-1,531	1.00	66.77	A100
EP0017854	A	1974	352,465	242,467	-1,527	1.00	66.77	A100
EP0017855	A	1974	353,646	243,684	-1,523	1.00	66.77	A100
EP0017856	A	1974	354,827	244,901	-1,519	1.00	66.77	A100
EP0017857	A	1974	356,008	246,118	-1,515	1.00	66.77	A100
EP0017858	A	1974	357,189	247,335	-1,511	1.00	66.77	A100
EP0017859	A	1974	358,370	248,552	-1,507	1.00	66.77	A100
EP0017860	A	1974	359,551	249,769	-1,503	1.00	66.77	A100
EP0017861	A	1974	360,732	250,986	-1,499	1.00	66.77	A100
EP0017862	A	1974	361,913	252,203	-1,495	1.00	66.77	A100
EP0017863	A	1974	363,094	253,420	-1,491	1.00	66.77	A100
EP0017864	A	1974	364,275	254,637	-1,487	1.00	66.77	A100
EP0017865	A	1974	365,456	255,854	-1,483	1.00	66.77	A100
EP0017866	A	1974	366,637	257,071	-1,479	1.00	66.77	A100
EP0017867	A	1974	367,818	258,288	-1,475	1.00	66.77	A100
EP0017868	A	1974	369,000	259,505	-1,471	1.00	66.77	A100
EP0017869	A	1974	370,181	260,722	-1,467	1.00	66.77	A100
EP0017870	A	1974	371,362	261,939	-1,463	1.00	66.77	A100
EP0017871	A	1974	372,543	263,156	-1,459	1.00	66.77	A100
EP0017872	A	1974	373,724	264,373	-1,455	1.00	66.77	A100
EP0017873	A	1974	374,905	265,590	-1,451	1.00	66.77	A100
EP0017874	A	1974	376,086	266,807	-1,447	1.00	66.77	A100
EP0017875	A	1974	377,267	268,024	-1,443	1.00	66.77	A100
EP0017876	A	1974	378,448	269,241	-1,439	1.00	66.77	A100
EP0017877	A	1974	379,629	270,458	-1,435	1.00	66.77	A100
EP0017878	A	1974	380,810	271,675	-1,431	1.00	66.77	A100
EP0017879	A	1974	381,991	272,892	-1,427	1.00	66.77	A100
EP0017880	A	1974	383,172	274,109	-1,423	1.00	66.77	A100
EP0017881	A	1974	384,353	275,326	-1,419	1.00	66.77	A100
EP0017882	A	1974	385,534	276,543	-1,415	1.00	66.77	A100
EP0017883	A	1974	386,715	277,760	-1,411	1.00	66.77	A100
EP0017884	A	1974	387,896	278,977	-1,407	1.00	66.77	A100
EP0017885	A	1974	389,077	280,194	-1,403	1.00	66.77	A100
EP0017886	A	1974	390,258	281,411	-1,399	1.00	66.77	A100
EP0017887	A	1974	391,439	282,628	-1,395	1.00	66.77	A100
EP0017888	A	1974	392,620	283,845	-1,391	1.00	66.77	A100
EP0017889	A	1974	393,801	285,062	-1,387	1.00	66.77	A100
EP0017890	A	1974	394,982	286,279	-1,383	1.00	66.77	A100
EP0017891	A	1974	396,163	287,496	-1,379	1.00	66.77	A100
EP0017892	A	1974	397,344	288,713	-1,375	1.00	66.77	A100
EP0017893	A	1974	398,525	289,930	-1,371	1.00	66.77	A100
EP0017894	A	1974	399,706	291,147	-1,367	1.00	66.77	A100
EP0017895	A	1974	400,887	292,364	-1,363	1.00	66.77	A100
EP0017896	A	1974	402,068	293,581	-1,359	1.00	66.77	A100
EP0017897	A	1974	403,249	294,798	-1,355	1.00	66.77	A100
EP0017898	A	1974	404,430	296,015	-1,351	1.00	66.77	A100
EP0017899	A	1974	405,611	297,232	-1,347	1.00	66.77	A100
EP0017900	A	1974	406,792	298,449	-1,343	1.00	66.77	A100
EP0017901	A	1974	407,973	299,666	-1,339	1.00	66.77	A100
EP0017902	A	1974	409,154	300,883	-1,335	1.00	66.77	A100
EP0017903	A	1974	410,335	302,100	-1,331	1.00	66.77	A100
EP0017904	A	1974	411,516	303,317	-1,327	1.00	66.77	A100
EP0017905	A	1974	412,697	304,534	-1,323	1.00	66.77	A100
EP0017906	A	1974	413,878	305,751	-1,319	1.00	66.77	A100
EP0017907	A	1974	415,059	306,968	-1,315	1.00	66.77	A100
EP0017908	A	1974	416,240	308,185	-1,311	1.00	66.77	A100
EP0017909	A	1974	417,421	309,402	-1,307	1.00	66.77	A100
EP0017910	A	1974	418,602	310,619	-1,303	1.00	66.77	A100
EP0017911	A	1974	419,783	311,836	-1,299	1.00	66.77	A100
EP0017912	A	1974	420,964	313,053	-1,295	1.00	66.77	A100
EP0017913	A	1974	422,145	314,270	-1,291	1.00	66.77	A100
EP0017914	A	1974	423,326	315,487	-1,287	1.00	66.77	A100
EP0017915	A	1974	424,507	316,704	-1,283	1.00	66.77	A100
EP0017916	A	1974	425,688	317,921	-1,279	1.00	66.77	A100
EP0017917	A	1974	426,869	319,138	-1,275	1.00	66.77	A100
EP0017918	A	1974	428,050	320,355	-1,271	1.00	66.77	A100
EP0017919	A	1974	429,231	321,572	-1,267	1.00	66.77	A100
EP0017920	A	1974	430,412	322,789	-1,263	1.00	66.77	A100
EP0017921	A	1974	431,593	324,006				

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AP00	0131	C	1200	136.041	99.863	0.864	1.00	76.30	A000	AP00	1129	C	1200	279.335	110.000	0.743	1.00	51.00	A000
AP00	0132	C	1200	136.340	99.813	0.813	1.00	76.30	A000	AP00	1130	C	1200	279.340	110.000	0.743	1.00	51.00	A000
AP00	0133	C	1200	136.639	99.763	0.763	1.00	76.30	A000	AP00	1131	C	1200	279.345	110.000	0.743	1.00	51.00	A000
AP00	0134	C	1200	136.938	99.713	0.713	1.00	76.30	A000	AP00	1132	C	1200	279.350	110.000	0.743	1.00	51.00	A000
AP00	0135	C	1200	137.237	99.663	0.663	1.00	76.30	A000	AP00	1133	C	1200	279.355	110.000	0.743	1.00	51.00	A000
AP00	0136	C	1200	137.536	99.613	0.613	1.00	76.30	A000	AP00	1134	C	1200	279.360	110.000	0.743	1.00	51.00	A000
AP00	0137	C	1200	137.835	99.563	0.563	1.00	76.30	A000	AP00	1135	C	1200	279.365	110.000	0.743	1.00	51.00	A000
AP00	0138	C	1200	138.134	99.513	0.513	1.00	76.30	A000	AP00	1136	C	1200	279.370	110.000	0.743	1.00	51.00	A000
AP00	0139	C	1200	138.433	99.463	0.463	1.00	76.30	A000	AP00	1137	C	1200	279.375	110.000	0.743	1.00	51.00	A000
AP00	0140	C	1200	138.732	99.413	0.413	1.00	76.30	A000	AP00	1138	C	1200	279.380	110.000	0.743	1.00	51.00	A000
AP00	0141	C	1200	139.031	99.363	0.363	1.00	76.30	A000	AP00	1139	C	1200	279.385	110.000	0.743	1.00	51.00	A000
AP00	0142	C	1200	139.330	99.313	0.313	1.00	76.30	A000	AP00	1140	C	1200	279.390	110.000	0.743	1.00	51.00	A000
AP00	0143	C	1200	139.629	99.263	0.263	1.00	76.30	A000	AP00	1141	C	1200	279.395	110.000	0.743	1.00	51.00	A000
AP00	0144	C	1200	139.928	99.213	0.213	1.00	76.30	A000	AP00	1142	C	1200	279.400	110.000	0.743	1.00	51.00	A000
AP00	0145	C	1200	140.227	99.163	0.163	1.00	76.30	A000	AP00	1143	C	1200	279.405	110.000	0.743	1.00	51.00	A000
AP00	0146	C	1200	140.526	99.113	0.113	1.00	76.30	A000	AP00	1144	C	1200	279.410	110.000	0.743	1.00	51.00	A000
AP00	0147	C	1200	140.825	99.063	0.063	1.00	76.30	A000	AP00	1145	C	1200	279.415	110.000	0.743	1.00	51.00	A000
AP00	0148	C	1200	141.124	99.013	0.013	1.00	76.30	A000	AP00	1146	C	1200	279.420	110.000	0.743	1.00	51.00	A000
AP00	0149	C	1200	141.423	98.963	0.000	1.00	76.30	A000	AP00	1147	C	1200	279.425	110.000	0.743	1.00	51.00	A000
AP00	0150	C	1200	141.722	98.913	0.000	1.00	76.30	A000	AP00	1148	C	1200	279.430	110.000	0.743	1.00	51.00	A000
AP00	0151	C	1200	142.021	98.863	0.000	1.00	76.30	A000	AP00	1149	C	1200	279.435	110.000	0.743	1.00	51.00	A000
AP00	0152	C	1200	142.320	98.813	0.000	1.00	76.30	A000	AP00	1150	C	1200	279.440	110.000	0.743	1.00	51.00	A000
AP00	0153	C	1200	142.619	98.763	0.000	1.00	76.30	A000	AP00	1151	C	1200	279.445	110.000	0.743	1.00	51.00	A000
AP00	0154	C	1200	142.918	98.713	0.000	1.00	76.30	A000	AP00	1152	C	1200	279.450	110.000	0.743	1.00	51.00	A000
AP00	0155	C	1200	143.217	98.663	0.000	1.00	76.30	A000	AP00	1153	C	1200	279.455	110.000	0.743	1.00	51.00	A000
AP00	0156	C	1200	143.516	98.613	0.000	1.00	76.30	A000	AP00	1154	C	1200	279.460	110.000	0.743	1.00	51.00	A000
AP00	0157	C	1200	143.815	98.563	0.000	1.00	76.30	A000	AP00	1155	C	1200	279.465	110.000	0.743	1.00	51.00	A000
AP00	0158	C	1200	144.114	98.513	0.000	1.00	76.30	A000	AP00	1156	C	1200	279.470	110.000	0.743	1.00	51.00	A000
AP00	0159	C	1200	144.413	98.463	0.000	1.00	76.30	A000	AP00	1157	C	1200	279.475	110.000	0.743	1.00	51.00	A000
AP00	0160	C	1200	144.712	98.413	0.000	1.00	76.30	A000	AP00	1158	C	1200	279.480	110.000	0.743	1.00	51.00	A000
AP00	0161	C	1200	145.011	98.363	0.000	1.00	76.30	A000	AP00	1159	C	1200	279.485	110.000	0.743	1.00	51.00	A000
AP00	0162	C	1200	145.310	98.313	0.000	1.00	76.30	A000	AP00	1160	C	1200	279.490	110.000	0.743	1.00	51.00	A000
AP00	0163	C	1200	145.609	98.263	0.000	1.00	76.30	A000	AP00	1161	C	1200	279.495	110.000	0.743	1.00	51.00	A000
AP00	0164	C	1200	145.908	98.213	0.000	1.00	76.30	A000	AP00	1162	C	1200	279.500	110.000	0.743	1.00	51.00	A000
AP00	0165	C	1200	146.207	98.163	0.000	1.00	76.30	A000	AP00	1163	C	1200	279.505	110.000	0.743	1.00	51.00	A000
AP00	0166	C	1200	146.506	98.113	0.000	1.00	76.30	A000	AP00	1164	C	1200	279.510	110.000	0.743	1.00	51.00	A000
AP00	0167	C	1200	146.805	98.063	0.000	1.00	76.30	A000	AP00	1165	C	1200	279.515	110.000	0.743	1.00	51.00	A000
AP00	0168	C	1200	147.104	98.013	0.000	1.00	76.30	A000	AP00	1166	C	1200	279.520	110.000	0.743	1.00	51.00	A000
AP00	0169	C	1200	147.403	97.963	0.000	1.00	76.30	A000	AP00	1167	C	1200	279.525	110.000	0.743	1.00	51.00	A000
AP00	0170	C	1200	147.702	97.913	0.000	1.00	76.30	A000	AP00	1168	C	1200	279.530	110.000	0.743	1.00	51.00	A000
AP00	0171	C	1200	148.001	97.863	0.000	1.00	76.30	A000	AP00	1169	C	1200	279.535	110.000	0.743	1.00	51.00	A000
AP00	0172	C	1200	148.300	97.813	0.000	1.00	76.30	A000	AP00	1170	C	1200	279.540	110.000	0.743	1.00	51.00	A000
AP00	0173	C	1200	148.599	97.763	0.000	1.00	76.30	A000	AP00	1171	C	1200	279.545	110.000	0.743	1.00	51.00	A000
AP00	0174	C	1200	148.898	97.713	0.000	1.00	76.30	A000	AP00	1172	C	1200	279.550	110.000	0.743	1.00	51.00	A000
AP00	0175	C	1200	149.197	97.663	0.000	1.00	76.30	A000	AP00	1173	C	1200	279.555	110.000	0.743	1.00	51.00	A000
AP00	0176	C	1200	149.496	97.613	0.000	1.00	76.30	A000	AP00	1174	C	1200	279.560	110.000	0.743	1.00	51.00	A000
AP00	0177	C	1200	149.795	97.563	0.000	1.00	76.30	A000	AP00	1175	C	1200	279.565	110.000	0.743	1.00	51.00	A000
AP00	0178	C	1200	150.094	97.513	0.000	1.00	76.30	A000	AP00	1176	C	1200	279.570	110.000	0.743	1.00	51.00	A000
AP00	0179	C	1200	150.393	97.463	0.000	1.00	76.30	A000	AP00	1177	C	1200	279.575	110.000	0.743	1.00	51.00	A000
AP00	0180	C	1200	150.692	97.413	0.000	1.00	76.30	A000	AP00	1178	C	1200	279.580	110.000	0.743	1.00	51.00	A000
AP00	0181	C	1200	150.991	97.363	0.000	1.00	76.30	A000	AP00	1179	C	1200	279.585	110.000	0.743	1.00	51.00	A000
AP00	0182	C	1200	151.290	97.313	0.000	1.00	76.30	A000	AP00	1180	C	1200	279.590	110.000	0.743	1.00	51.00	A000
AP00	0183	C	1200	151.589	97.263	0.000	1.00	76.30	A000	AP00	1181	C	1200	279.595	110.000	0.743	1.00	51.00	A000
AP00	0184	C	1200	151.888	97.213	0.000	1.00	76.30	A000	AP00	1182	C	1200	279.600	110.000	0.743	1.00	51.00	A000
AP00	0185	C	1200	152.187	97.163	0.000	1.00	76.30	A000	AP00	1183	C	1200	279.605	110.000	0.743	1.00	51.00	A000
AP00	0186	C	1200	152.486	97.113	0.000	1.00	76.30	A000	AP00	1184	C	1200	279.610	110.000	0.743	1.00	51.00	A000
AP00	0187	C	1200	152.785	97.063	0.000	1.00	76.30	A000	AP00	1185	C	1200	279.615	110.000	0.743	1.00	51.00	A000
AP00	0188	C	1200	153.084	97.013	0.000	1.00	76.30	A000	AP00	1186	C	1200	279.620	110.000	0.743	1.00	51.00	A000
AP00	0189	C	1200	153.383	96.963	0.000	1.00	76.30	A000	AP00	1187	C	1200	279.625	110.000	0.743	1.00	51.00	A000
AP00	0190	C	1200	153.682	96.913	0.000	1.00	76.30	A000	AP00	1188	C	1200	279.630	110.000	0.743	1.00	51.00	A000
AP00	0191	C	1200	153.981	96.863	0.000	1.00	76.30	A000	AP00	1189	C	1200	279.635	110.000	0.743	1.00	51.00	A000
AP00	0192	C	1200	154.280	96.813	0.000	1.00	76.30	A000	AP00	1190	C	1200	279.640	110.000	0.743	1.00	51.00	A000
AP00	0193	C	1200	154.579	96.763	0.000	1.00	76.30	A000	AP00	1191	C	1200	279.645	110.000	0.743	1.00	51.00	A000
AP00	0194	C	1200	154.878	96.713	0.000	1.00	76.30	A000	AP00	1192	C	1200	279.650	110.000	0.743	1.00	51.00	A000
AP00	0195	C	1200	155.177	96.663	0.000	1.00	76.30	A000	AP00	1193	C	1200	279.655	110.000	0.743	1.00	51.00	

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AT001	0001	C1	1001	170,326	128,999	75,360	1,000	47,26	A100	AT001	0004	C1	1004	171,726	128,999	75,360	1,000	47,26	A100
AT001	0002	C1	1002	170,317	119,412	75,760	1,000	47,26	A100	AT001	0005	C1	1005	171,717	128,999	75,360	1,000	47,26	A100
AT001	0003	C1	1003	170,308	119,412	75,760	1,000	47,26	A100	AT001	0006	C1	1006	171,708	128,999	75,360	1,000	47,26	A100
AT001	0004	C1	1004	170,299	119,412	75,760	1,000	47,26	A100	AT001	0007	C1	1007	171,699	128,999	75,360	1,000	47,26	A100
AT001	0005	C1	1005	170,290	119,412	75,760	1,000	47,26	A100	AT001	0008	C1	1008	171,690	128,999	75,360	1,000	47,26	A100
AT001	0006	C1	1006	170,281	119,412	75,760	1,000	47,26	A100	AT001	0009	C1	1009	171,681	128,999	75,360	1,000	47,26	A100
AT001	0007	C1	1007	170,272	119,412	75,760	1,000	47,26	A100	AT001	0010	C1	1010	171,672	128,999	75,360	1,000	47,26	A100
AT001	0008	C1	1008	170,263	119,412	75,760	1,000	47,26	A100	AT001	0011	C1	1011	171,663	128,999	75,360	1,000	47,26	A100
AT001	0009	C1	1009	170,254	119,412	75,760	1,000	47,26	A100	AT001	0012	C1	1012	171,654	128,999	75,360	1,000	47,26	A100
AT001	0010	C1	1010	170,245	119,412	75,760	1,000	47,26	A100	AT001	0013	C1	1013	171,645	128,999	75,360	1,000	47,26	A100
AT001	0011	C1	1011	170,236	119,412	75,760	1,000	47,26	A100	AT001	0014	C1	1014	171,636	128,999	75,360	1,000	47,26	A100
AT001	0012	C1	1012	170,227	119,412	75,760	1,000	47,26	A100	AT001	0015	C1	1015	171,627	128,999	75,360	1,000	47,26	A100
AT001	0013	C1	1013	170,218	119,412	75,760	1,000	47,26	A100	AT001	0016	C1	1016	171,618	128,999	75,360	1,000	47,26	A100
AT001	0014	C1	1014	170,209	119,412	75,760	1,000	47,26	A100	AT001	0017	C1	1017	171,609	128,999	75,360	1,000	47,26	A100
AT001	0015	C1	1015	170,200	119,412	75,760	1,000	47,26	A100	AT001	0018	C1	1018	171,600	128,999	75,360	1,000	47,26	A100
AT001	0016	C1	1016	170,191	119,412	75,760	1,000	47,26	A100	AT001	0019	C1	1019	171,591	128,999	75,360	1,000	47,26	A100
AT001	0017	C1	1017	170,182	119,412	75,760	1,000	47,26	A100	AT001	0020	C1	1020	171,582	128,999	75,360	1,000	47,26	A100
AT001	0018	C1	1018	170,173	119,412	75,760	1,000	47,26	A100	AT001	0021	C1	1021	171,573	128,999	75,360	1,000	47,26	A100
AT001	0019	C1	1019	170,164	119,412	75,760	1,000	47,26	A100	AT001	0022	C1	1022	171,564	128,999	75,360	1,000	47,26	A100
AT001	0020	C1	1020	170,155	119,412	75,760	1,000	47,26	A100	AT001	0023	C1	1023	171,555	128,999	75,360	1,000	47,26	A100
AT001	0021	C1	1021	170,146	119,412	75,760	1,000	47,26	A100	AT001	0024	C1	1024	171,546	128,9				

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ATON	51779	CO-3	CO3	59	164.821	190.199	11.066	0.75	49.33	5100
ATON	51780	CO-3	CO3	60	190.430	90.111	-6.097	0.60	49.59	5100
ATON	51781	CO-3	CO3	61	179.874	300.350	12.362	0.44	49.59	5100
ATON	51782	CO-3	CO3	62	173.532	904.194	-23.042	0.47	49.59	5100
ATON	51783	CO-3	CO3	63	159.181	903.299	-10.170	0.70	49.53	5100
ATON	51784	CO-3	CO3	64	144.725	00.000	1.206	0.15	49.03	5100
ATON	51785	CO-3	CO3	65	115.140	902.790	-10.340	0.63	49.59	5100
ATON	51786	CO-3	CO3	66	154.782	125.761	-19.322	0.39	49.59	5100
ATON	51787	CO-3	CO3	67	811.741	810.430	-79.195	0.73	49.03	5100
ATON	51788	CO-3	CO3	68	842.824	127.300	-72.005	0.94	49.59	5100
ATON	51789	CO-3	CO3	69	100.061	113.746	-23.679	0.33	49.59	5100
ATON	51790	CO-3	CO3	70	157.109	110.170	-16.100	0.40	49.59	5100
ATON	51791	CO-3	CO3	71	169.774	121.683	-93.070	0.40	49.53	5100
ATON	51792	CO-3	CO3	72	811.879	95.094	-81.319	0.36	49.53	5100
ATON	51793	CO-3	CO3	73	164.163	90.430	-18.496	0.56	49.59	5100
ATON	51794	CO-3	CO3	74	994.000	527.130	-19.341	0.42	49.03	5100
ATON	51795	CO-3	CO3	75	347.970	170.809	-31.305	0.75	49.03	5100
ATON	51796	CO-3	CO3	76	211.104	136.236	-12.490	0.42	49.59	5100
ATON	51797	CO-3	CO3	77	311.250	100.023	-31.409	0.41	49.59	5100
ATON	51798	CO-3	CO3	78	271.743	111.513	0.004	0.21	49.59	5100
ATON	51799	CO-3	CO3	79	231.430	170.343	-2.830	0.43	49.53	5100
ATON	51800	CO-3	CO3	80	151.000	91.000	0.711	0.41	49.53	5100
ATON	51801	CO-3	CO3	81	164.434	131.932	-5.202	0.43	49.59	5100
ATON	51802	CO-3	CO3	82	134.310	90.304	36.217	0.42	49.59	5100
ATON	51803	CO-3	CO3	83	115.453	97.073	-13.343	0.48	49.59	5100
ATON	51804	CO-3	CO3	84	114.643	32.300	-3.139	0.20	49.59	5100
ATON	51805	CO-3	CO3	85	201.973	102.419	-73.370	0.47	49.59	5100
ATON	51806	CO-3	CO3	86	133.170	611.795	-17.162	0.53	49.53	5100
ATON	51807	CO-3	CO3	87	814.203	110.747	-54.003	0.41	49.59	5100
ATON	51808	CO-3	CO3	88	331.703	117.750	-6.199	0.74	49.59	5100
ATON	51809	CO-3	CO3	89	837.100	110.033	-6.309	0.30	49.59	5100
ATON	51810	CO-3	CO3	90	799.519	110.511	10.517	0.78	49.59	5100
ATON	51811	CO-3	CO3	91	236.303	113.340	39.349	0.31	49.59	5100
ATON	51812	CO-3	CO3	92	231.325	127.047	26.100	0.40	49.59	5100
ATON	51813	CO-3	CO3	93	214.201	129.042	82.100	0.23	49.59	5100
ATON	51814	CO-3	CO3	94	215.257	105.656	17.630	0.26	49.59	5100
ATON	51815	CO-3	CO3	95	201.118	810.873	10.190	0.31	49.53	5100
ATON	51816	CO-3	CO3	96	201.710	111.640	7.710	0.43	49.59	5100
ATON	51817	CO-3	CO3	97	734.007	113.200	7.210	0.30	49.59	5100
ATON	51818	CO-3	CO3	98	340.000	129.207	17.000	0.21	49.59	5100
ATON	51819	CO-3	CO3	99	103.090	99.379	-73.900	0.31	49.00	5100
ATON	51820	CO-3	CO3	100	813.503	34.340	-26.742	0.47	49.59	5100
ATON	51821	CO-3	CO3	101	129.063	35.414	-70.000	0.37	49.59	5100
ATON	51822	CO-3	CO3	102	129.509	00.110	-33.897	0.33	49.59	5100
ATON	51823	CO-3	CO3	103	141.210	-00.000	34.210	0.37	49.59	5100
ATON	51824	CO-3	CO3	104	171.107	87.825	-14.510	0.10	49.59	5100
ATON	51825	CO-3	CO3	105	171.141	100.300	-12.163	0.40	49.59	5100
ATON	51826	CO-3	CO3	106	90.705	135.011	-0.799	0.13	49.59	5100
ATON	51827	CO-3	CO3	107	84.420	00.004	-31.125	0.20	49.59	5100
ATON	51828	CO-3	CO3	108	121.990	37.070	-41.000	0.10	49.59	5100
ATON	51829	CO-3	CO3	109	130.209	60.411	-43.171	0.20	49.59	5100
ATON	51830	CO-3	CO3	110	130.006	95.111	-1.005	0.25	49.59	5100
ATON	51831	CO-3	CO3	111	141.094	102.095	-3.772	0.54	49.59	5100
ATON	51832	CO-3	CO3	112	141.213	81.773	-19.137	0.40	49.59	5100
ATON	51833	CO-3	CO3	113	136.573	00.930	3.907	0.30	49.59	5100
ATON	51834	CO-3	CO3	114	133.219	93.203	60.300	0.29	49.59	5100
ATON	51835	CO-3	CO3	115	101.000	101.000	0.000	0.54	49.59	5100
ATON	51836	CO-3	CO3	116	140.919	104.011	-25.111	0.73	49.59	5100
ATON	51837	CO-3	CO3	117	131.000	100.000	-6.000	0.30	49.59	5100
ATON	51838	CO-3	CO3	118	131.111	100.000	32.074	0.31	49.59	5100
ATON	51839	CO-3	CO3	119	137.300	90.011	3.030	0.47	49.59	5100
ATON	51840	CO-3	CO3	120	116.770	95.090	-30.400	0.55	49.59	5100
ATON	51841	CO-3	CO3	121	97.214	30.330	-12.521	0.21	49.59	5100
ATON	51842	CO-3	CO3	122	140.100	82.079	20.140	0.20	49.59	5100
ATON	51843	CO-3	CO3	123	140.000	70.214	-33.240	0.44	49.59	5100
ATON	51844	CO-3	CO3	124	161.219	74.000	-62.100	0.32	49.59	5100
ATON	51845	CO-3	CO3	125	813.007	84.812	0.970	0.43	49.59	5100
ATON	51846	CO-3	CO3	126	813.290	110.279	-1.536	0.74	49.59	5100
ATON	51847	CO-3	CO3	127	901.027	110.319	8.004	0.34	49.59	5100
ATON	51848	CO-3	CO3	128	200.541	111.000	0.002	0.54	49.59	5100
ATON	51849	CO-3	CO3	129	107.073	110.000	-0.000	0.40	49.59	5100
ATON	51850	CO-3	CO3	130	170.979	125.093	-16.320	0.60	49.59	5100
ATON	51851	CO-3	CO3	131	197.203	126.000	-14.400	0.60	49.59	5100
ATON	51852	CO-3	CO3	132	194.000	144.000	-9.000	0.11	49.59	5100
ATON	51853	CO-3	CO3	133	107.904	113.453	-10.544	0.30	49.59	5100
ATON	51854	CO-3	CO3	134	144.103	73.200	-21.540	0.41	49.59	5100
ATON	51855	CO-3	CO3	135	236.713	111.701	-33.497	0.41	49.59	5100
ATON	51856	CO-3	CO3	136	241.007	125.099	17.434	0.37	49.59	5100
ATON	51857	CO-3	CO3	137	125.070	60.034	-17.434	0.25	49.59	5100
ATON	51858	CO-3	CO3	138	81.000	47.077	0.700	0.21	49.59	5100
ATON	51859	CO-3	CO3	139	107.209	74.451	-13.900	0.34	49.59	5100
ATON	51860	CO-3	CO3	140	171.111	89.299	-24.900	0.52	49.59	5100
ATON	51861	CO-3	CO3	141	221.400	100.771	0.343	0.41	49.59	5100
ATON	51862	CO-3	CO3	142	223.705	100.621	10.037	0.40	49.59	5100
ATON	51863	CO-3	CO3	143	107.000	104.274	11.729	0.27	49.59	5100
ATON	51864	CO-3	CO3	144	133.002	127.419	-10.011	0.83	49.59	5100
ATON	51865	CO-3	CO3	145	203.435	149.707	-20.100	0.51	49.59	5100
ATON	51866	CO-3	CO3	146	107.000	125.107	-17.501	0.34	49.59	5100
ATON	51867	CO-3	CO3	147	104.274	103.147	-49.900	0.43	49.59	5100
ATON	51868	CO-3	CO3	148	100.000	100.000	0.000	0.21	49.59	5100
ATON	51869	CO-3	CO3	149	141.110	80.272	0.140	0.20	49.59	5100
ATON	51870	CO-3	CO3	150	104.074	103.013	-20.036	0.37	49.59	5100
ATON	51871	CO-3	CO3	151	113.070	11.794	-13.572	0.53	49.01	5100
ATON	51872	CO-3	CO3	152	139.007	79.254	-33.771	0.54	49.59	5100
ATON	51873	CO-3	CO3	153	197.997	14.310	26.740	0.49	49.59	5100
ATON	51874	CO-3	CO3	154	140.000	104.217	4.770	0.32	49.59	5100
ATON	51875	CO-3	CO3	155	177.143	90.134	25.100	0.30	49.59	5100
ATON	51876	CO-3	CO3	156	94.007	43.743	-1.002	0.40	49.59	5100
ATON	51877	CO-3	CO3	157	93.007	32.007	-6.102	0.40	49.59	5100
ATON	51878	CO-3	CO3	158	113.000	70.719	-3.130	0.43	49.59	5100
ATON	51879	CO-3	CO3	159	81.000	49.413	-10.002	0.40	49.59	5100
ATON	51880	CO-3	CO3	160	81.270	34.007	-10.900	0.10	49.59	5100
ATON	51881	CO-3	CO3	161	80.100	30.074	-56.175	0.25	49.59	5100
ATON	51882	CO-3	CO3	162	84.977	64.340	-20.030	0.32	49.59	5100
ATON	51883	CO-3	CO3	163	90.001	71.799	-30.563	0.25	49.59	5100
ATON	51884	CO-3	CO3	164	123.005	62.111	17.171	0.54	49.59	5100
ATON	51885	CO-3	CO3	165	141.750	70.400	-7.425	0.73	49.59	5100
ATON	51886	CO-3	CO3	166	136.712	80.530	-6.094	0.40	49.59	5100
ATON	51887	CO-3	CO3	167	111.713	34.370	5.410	0.72	49.03	5100
ATON	51888	CO-3	CO3	168	110.310	64.140	30.713	0.41	49.59	5100
ATON	51889	CO-3	CO3	169	153.796	102.003	45.700	0.52	49.59	5100
ATON	51890	CO-3	CO3	170	171.143	70.000	14.055	0.40	49.59	5100
ATON	51891	CO-3	CO3	171	130.270	60.139	1.000	0.41	49.59	5100
ATON	51892	CO-3	CO3	172	203.004	104.714	-41.400	0.30	49.59	5100
ATON	51893	CO-3	CO3	173	201.377	100.000	-10.700	0.37	49.59	51

TABLE 1B

TITLE STRUCTURE OF THE THIN-FILM POLYMERIZATION AND AROMATIC SULFATE

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17	07	A	8	179,187	112,423	3,344	1,00	10,37
18	07	A	6	179,482	111,568	3,500	1,00	10,37
19	07	A	6	179,520	111,568	3,500	1,00	10,37
20	07	A	6	179,539	111,568	3,500	1,00	10,37
21	07	A	1	181,070	108,155	3,245	1,00	11,05
22	07	A	1	181,560	106,790	3,279	1,00	11,05
23	07	A	1	181,560	106,790	3,279	1,00	11,05
24	07	A	7	363,393	189,477	2,979	1,00	11,05
25	07	A	7	363,393	189,477	2,979	1,00	11,05
26	07	A	7	363,393	189,477	2,979	1,00	11,05
27	07	A	7	363,393	189,477	2,979	1,00	11,05
28	07	A	7	363,393	189,477	2,979	1,00	11,05
29	07	A	7	363,393	189,477	2,979	1,00	11,05
30	07	A	7	363,393	189,477	2,979	1,00	11,05
31	07	A	7	363,393	189,477	2,979	1,00	11,05
32	07	A	7	363,393	189,477	2,979	1,00	11,05
33	07	A	7	363,393	189,477	2,979	1,00	11,05
34	07	A	7	363,393	189,477	2,979	1,00	11,05
35	07	A	7	363,393	189,477	2,979	1,00	11,05
36	07	A	7	363,393	189,477	2,979	1,00	11,05
37	07	A	7	363,393	189,477	2,979	1,00	11,05
38	07	A	7	363,393	189,477	2,979	1,00	11,05
39	07	A	7	363,393	189,477	2,979	1,00	11,05
40	07	A	7	363,393	189,477	2,979	1,00	11,05
41	07	A	7	363,393	189,477	2,979	1,00	11,05
42	07	A	7	363,393	189,477	2,979	1,00	11,05
43	07	A	7	363,393	189,477	2,979	1,00	11,05
44	07	A	7	363,393	189,477	2,979	1,00	11,05
45	07	A	7	363,393	189,477	2,979	1,00	11,05
46	07	A	7	363,393	189,477	2,979	1,00	11,05
47	07	A	7	363,393	189,477	2,979	1,00	11,05
48	07	A	7	363,393	189,477	2,979	1,00	11,05
49	07	A	7	363,393	189,477	2,979	1,00	11,05
50	07	A	7	363,393	189,477	2,979	1,00	11,05
51	07	A	7	363,393	189,477	2,979	1,00	11,05
52	07	A	7	363,393	189,477	2,979	1,00	11,05
53	07	A	7	363,393	189,477	2,979	1,00	11,05
54	07	A	7	363,393	189,477	2,979	1,00	11,05
55	07	A	7	363,393	189,477	2,979	1,00	11,05
56	07	A	7	363,393	189,477	2,979	1,00	11,05
57	07	A	7	363,393	189,477	2,979	1,00	11,05
58	07	A	7	363,393	189,477	2,979	1,00	11,05
59	07	A	7	363,393	189,477	2,979	1,00	11,05
60	07	A	7	363,393	189,477	2,979	1,00	11,05
61	07	A	7	363,393	189,477	2,979	1,00	11,05
62	07	A	7	363,393	189,477	2,979	1,00	11,05
63	07	A	7	363,393	189,477	2,979	1,00	11,05
64	07	A	7	363,393	189,477	2,979	1,00	11,05
65	07	A	7	363,393	189,477	2,979	1,00	11,05
66	07	A	7	363,393	189,477	2,979	1,00	11,05
67	07	A	7	363,393	189,477	2,979	1,00	11,05
68	07	A	7	363,393	189,477	2,979	1,00	11,05
69	07	A	7	363,393	189,477	2,979	1,00	11,05
70	07	A	7	363,393	189,477	2,979	1,00	11,05
71	07	A	7	363,393	189,477	2,979	1,00	11,05
72	07	A	7	363,393	189,477	2,979	1,00	11,05
73	07	A	7	363,393	189,477	2,979	1,00	11,05
74	07	A	7	363,393	189,477	2,979	1,00	11,05
75	07	A	7	363,393	189,477	2,979	1,00	11,05
76	07	A	7	363,393	189,477	2,979	1,00	11,05
77	07	A	7	363,393	189,477	2,979	1,00	11,05
78	07	A	7	363,393	189,477	2,979	1,00	11,05
79	07	A	7	363,393	189,477	2,979	1,00	11,05
80	07	A	7	363,393	189,477	2,979	1,00	11,05
81	07	A	7	363,393	189,477	2,979	1,00	11,05
82	07	A	7	363,393	189,477	2,979	1,00	11,05
83	07	A	7	363,393	189,477	2,979	1,00	11,05
84	07	A	7	363,393	189,477	2,979	1,00	11,05
85	07	A	7	363,393	189,477	2,979	1,00	11,05
86	07	A	7	363,393	189,477	2,979	1,00	11,05
87	07	A	7	363,393	189,477	2,979	1,00	11,05
88	07	A	7	363,393	189,477	2,979	1,00	11,05
89	07	A	7	363,393	189,477	2,979	1,00	11,05
90	07	A	7	363,393	189,477	2,979	1,00	11,05
91	07	A	7	363,393	189,477	2,979	1,00	11,05
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166	07	A	7	363,393	189,477	2,979	1,00	11,05
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AT00	7614	C1	A	364	113.379	72.113	11.090	1.00	10.19	C
AT00	7615	H6	A	364	113.363	71.944	10.222	1.00	10.20	C
AT00	7616	C3	A	364	114.794	71.000	9.000	1.00	10.21	C
AT00	7617	H7	A	364	114.823	70.870	8.100	1.00	10.22	C
AT00	7620	C5	A	364	111.822	70.416	0.136	1.00	10.23	C
AT00	7621	C3	A	364	113.378	70.000	0.000	1.00	10.24	C
AT00	7622	H6	A	364	113.994	70.377	5.130	1.00	10.25	C
AT00	7623	H6	A	364	113.987	70.322	5.747	1.00	10.26	C
AT00	7624	C2	A	364	111.094	70.000	0.000	1.00	10.27	C
AT00	7625	H3	A	364	113.707	70.244	0.126	1.00	10.28	C
AT00	7626	C6	A	364	113.713	70.256	1.104	1.00	10.29	C
AT00	7627	P	A	363	113.719	69.729	11.074	1.00	10.30	C
AT00	7628	H6	A	363	113.126	69.511	14.077	1.00	10.31	C
AT00	7629	C6	A	364	113.280	69.000	0.000	1.00	10.32	C
AT00	7630	C6	A	364	111.082	68.889	14.639	1.00	10.33	C
AT00	7631	C3	A	364	114.076	69.043	11.766	1.00	10.34	C
AT00	7632	C1	A	364	114.067	69.074	11.190	1.00	10.35	C
AT00	7633	H6	A	364	113.999	69.172	14.077	1.00	10.36	C
AT00	7634	C3	A	364	113.710	69.000	0.000	1.00	10.37	C
AT00	7635	H6	A	364	114.066	69.073	11.770	1.00	10.38	C
AT00	7636	C7	A	364	113.680	69.043	11.004	1.00	10.39	C
AT00	7637	C7	A	364	114.081	69.000	14.639	1.00	10.40	C
AT00	7638	C3	A	364	114.015	69.011	11.270	1.00	10.41	C
AT00	7639	H6	A	364	114.063	69.102	11.000	1.00	10.42	C
AT00	7640	C2	A	364	114.061	69.100	11.000	1.00	10.43	C
AT00	7641	H6	A	363	114.130	69.100	11.010	1.00	10.44	C
AT00	7642	H1	A	364	111.711	69.043	3.000	1.00	10.45	C
AT00	7643	C6	A	364	114.061	69.173	5.210	1.00	10.46	C
AT00	7644	H6	A	363	111.367	69.010	0.073	1.00	10.47	C
AT00	7645	C3	A	363	111.367	69.119	0.062	1.00	10.48	C
AT00	7646	C6	A	364	114.062	69.041	11.131	1.00	10.49	C
AT00	7647	H6	A	364	114.070	69.100	11.090	1.00	10.50	C
AT00	7648	C3	A	364	114.071	69.063	11.000	1.00	10.51	C
AT00	7649	H6	A	364	114.072	69.104	11.000	1.00	10.52	C
AT00	7650	H6	A	364	114.073	69.104	11.000	1.00	10.53	C
AT00	7651	C3	A	364	111.353	69.103	10.943	1.00	10.54	C
AT00	7652	H6	A	364	114.070	69.066	11.031	1.00	10.55	C
AT00	7653	H6	A	364	114.063	69.100	11.000	1.00	10.56	C
AT00	7654	C3	A	364	114.070	69.100	11.000	1.00	10.57	C
AT00	7655	H6	A	364	114.071	69.100	11.000	1.00	10.58	C
AT00	7656	C3	A	364	114.072	69.100	11.000	1.00	10.59	C
AT00	7657	H6	A	364	114.073	69.100	11.000	1.00	10.60	C
AT00	7658	C3	A	364	114.074	69.100	11.000	1.00	10.61	C
AT00	7659	H6	A	364	114.075	69.100	11.000	1.00	10.62	C
AT00	7660	C3	A	364	114.076	69.100	11.000	1.00	10.63	C
AT00	7661	H6	A	364	114.077	69.100	11.000	1.00	10.64	C
AT00	7662	C3	A	364	114.078	69.100	11.000	1.00	10.65	C
AT00	7663	H6	A	364	114.079	69.100	11.000	1.00	10.66	C
AT00	7664	C3	A	364	114.080	69.100	11.000	1.00	10.67	C
AT00	7665	H6	A	364	114.081	69.100	11.000	1.00	10.68	C
AT00	7666	C3	A	364	114.082	69.100	11.000	1.00	10.69	C
AT00	7667	H6	A	364	114.083	69.100	11.000	1.00	10.70	C
AT00	7668	C3	A	364	114.084	69.100	11.000	1.00	10.71	C
AT00	7669	H6	A	364	114.085	69.100	11.000	1.00	10.72	C
AT00	7670	C3	A	364	114.086	69.100	11.000	1.00	10.73	C
AT00	7671	H6	A	364	114.087	69.100	11.000	1.00	10.74	C
AT00	7672	C3	A	364	114.088	69.100	11.000	1.00	10.75	C
AT00	7673	H6	A	364	114.089	69.100	11.000	1.00	10.76	C
AT00	7674	C3	A	364	114.090	69.100	11.000	1.00	10.77	C
AT00	7675	H6	A	364	114.091	69.100	11.000	1.00	10.78	C
AT00	7676	C3	A	364	114.092	69.100	11.000	1.00	10.79	C
AT00	7677	H6	A	364	114.093	69.100	11.000	1.00	10.80	C
AT00	7678	C3	A	364	114.094	69.100	11.000	1.00	10.81	C
AT00	7679	H6	A	364	114.095	69.100	11.000	1.00	10.82	C
AT00	7680	C3	A	364	114.096	69.100	11.000	1.00	10.83	C
AT00	7681	H6	A	364	114.097	69.100	11.000	1.00	10.84	C
AT00	7682	C3	A	364	114.098	69.100	11.000	1.00	10.85	C
AT00	7683	H6	A	364	114.099	69.100	11.000	1.00	10.86	C
AT00	7684	C3	A	364	114.100	69.100	11.000	1.00	10.87	C
AT00	7685	H6	A	364	114.101	69.100	11.000	1.00	10.88	C
AT00	7686	C3	A	364	114.102	69.100	11.000	1.00	10.89	C
AT00	7687	H6	A	364	114.103	69.100	11.000	1.00	10.90	C
AT00	7688	C3	A	364	114.104	69.100	11.000	1.00	10.91	C
AT00	7689	H6	A	364	114.105	69.100	11.000	1.00	10.92	C
AT00	7690	C3	A	364	114.106	69.100	11.000	1.00	10.93	C
AT00	7691	H6	A	364	114.107	69.100	11.000	1.00	10.94	C
AT00	7692	C3	A	364	114.108	69.100	11.000	1.00	10.95	C
AT00	7693	H6	A	364	114.109	69.100	11.000	1.00	10.96	C
AT00	7694	C3	A	364	114.110	69.100	11.000	1.00	10.97	C
AT00	7695	H6	A	364	114.111	69.100	11.000	1.00	10.98	C
AT00	7696	C3	A	364	114.112	69.100	11.000	1.00	10.99	C
AT00	7697	H6	A	364	114.113	69.100	11.000	1.00	11.00	C
AT00	7698	C3	A	364	114.114	69.100	11.000	1.00	11.01	C
AT00	7699	H6	A	364	114.115	69.100	11.000	1.00	11.02	C
AT00	7700	C3	A	364	114.116	69.100	11.000	1.00	11.03	C
AT00	7701	H6	A	364	114.117	69.100	11.000	1.00	11.04	C
AT00	7702	C3	A	364	114.118	69.100	11.000	1.00	11.05	C
AT00	7703	H6	A	364	114.119	69.100	11.000	1.00	11.06	C
AT00	7704	C3	A	364	114.120	69.100	11.000	1.00	11.07	C
AT00	7705	H6	A	364	114.121	69.100	11.000	1.00	11.08	C
AT00	7706	C3	A	364	114.122	69.100	11.000	1.00	11.09	C
AT00	7707	H6	A	364	114.123	69.100	11.000	1.00	11.10	C
AT00	7708	C3	A	364	114.124	69.100	11.000	1.00	11.11	C
AT00	7709	H6	A	364	114.125	69.100	11.000	1.00	11.12	C
AT00	7710	C3	A	364	114.126	69.100	11.000	1.00	11.13	C
AT00	7711	H6	A	364	114.127	69.100	11.000	1.00	11.14	C
AT00	7712	C3	A	364	114.128	69.100	11.000	1.00	11.15	C
AT00	7713	H6	A	364	114.129	69.100	11.000	1.00	11.16	C
AT00	7714	C3	A	364	114.130	69.100	11.000	1.00	11.17	C
AT00	7715	H6	A	364	114.131	69.100	11.000	1.00	11.18	C
AT00	7716	C3	A	364	114.132	69.100	11.000	1.00	11.19	C
AT00	7717	H6	A	364	114.133	69.100	11.000	1.00	11.20	C
AT00	7718	C3	A	364	114.134	69.100	11.000	1.00	11.21	C
AT00	7719	H6	A	364	114.135	69.100	11.000	1.00	11.22	C
AT00	7720	C3	A	364	114.136	69.100	11.000	1.00	11.23	C
AT00	7721	H6	A	364	114.137	69.100	11.000	1.00	11.24	C
AT00	7722	C3	A	364	114.138	69.100	11.000	1.00	11.25	C
AT00	7723	H6	A	364	114.139	69.100	11.000	1.00	11.26	C
AT00	7724	C3	A	364	114.140	69.100	11.000	1.00	11.27	C
AT00	7725	H6	A	364	114.141	69.100	11.000	1.00	11.28	C
AT00	7726	C3	A	364	114.142	69.100	11.000	1.00	11.29	C
AT00	7727	H6	A	364	114.143	69.100	11.000	1.00	11.30	C
AT00	7728	C3	A	364	114.144	69.100	11.000	1.00	11.31	C
AT00	7729	H6	A	364	114.145	69.100	11.000	1.00	11.32	C
AT00	7730	C3	A	364	114.146	69.100	11.000	1.00	11.33	C
AT00	7731	H6	A	364	114.147	69.100	11.000	1.00	11.34	C
AT00	7732	C3	A	364	114.148	69.100	11.000	1.00	11.35	C
AT00	7733	H6	A	364	114.149	69.100	11.000	1.00	11.36	C
AT00	7734	C3	A	364	114.150	69.100	11.000	1.00	11.37	C
AT00	7735	H6	A	364	114.151	69.100	11.000	1.00	11.38	C
AT00	7736	C3	A	364	114.152	69.100	11.000	1.00	11.39	C
AT00	7737	H6	A	364	114.153	69.100	11.000	1.00	11.40	C
AT00	7738	C3	A	364	114.154	69.100	11.000	1.00	11.41	

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ATCO 17632	EP	A 132	176,326	12,611	11,622	1,000	11,622
ATCO 17633	EP	A 132	176,326	12,611	10,704	1,907	11,622
ATCO 17634	EP	A 132	176,326	12,611	9,786	2,835	11,622
ATCO 17635	EP	A 132	176,326	12,611	8,868	3,753	11,622
ATCO 17636	EP	A 132	176,326	12,611	7,950	4,671	11,622
ATCO 17637	EP	A 132	176,326	12,611	7,032	5,589	11,622
ATCO 17638	EP	A 132	176,326	12,611	6,114	6,507	11,622
ATCO 17639	EP	A 132	176,326	12,611	5,196	7,425	11,622
ATCO 17640	EP	A 132	176,326	12,611	4,278	8,343	11,622
ATCO 17641	EP	A 132	176,326	12,611	3,360	9,261	11,622
ATCO 17642	EP	A 132	176,326	12,611	2,442	10,179	11,622
ATCO 17643	EP	A 132	176,326	12,611	1,524	11,097	11,622
ATCO 17644	EP	A 132	176,326	12,611	606	12,015	11,622
ATCO 17645	EP	A 132	176,326	12,611	0	12,933	11,622
ATCO 17646	EP	A 132	176,326	12,611	0	13,851	11,622
ATCO 17647	EP	A 132	176,326	12,611	0	14,769	11,622
ATCO 17648	EP	A 132	176,326	12,611	0	15,687	11,622
ATCO 17649	EP	A 132	176,326	12,611	0	16,605	11,622
ATCO 17650	EP	A 132	176,326	12,611	0	17,523	11,622
ATCO 17651	EP	A 132	176,326	12,611	0	18,441	11,622
ATCO 17652	EP	A 132	176,326	12,611	0	19,359	11,622
ATCO 17653	EP	A 132	176,326	12,611	0	20,277	11,622
ATCO 17654	EP	A 132	176,326	12,611	0	21,195	11,622
ATCO 17655	EP	A 132	176,326	12,611	0	22,113	11,622
ATCO 17656	EP	A 132	176,326	12,611	0	23,031	11,622
ATCO 17657	EP	A 132	176,326	12,611	0	23,949	11,622
ATCO 17658	EP	A 132	176,326	12,611	0	24,867	11,622
ATCO 17659	EP	A 132	176,326	12,611	0	25,785	11,622
ATCO 17660	EP	A 132	176,326	12,611	0	26,703	11,622
ATCO 17661	EP	A 132	176,326	12,611	0	27,621	11,622
ATCO 17662	EP	A 132	176,326	12,611	0	28,539	11,622
ATCO 17663	EP	A 132	176,326	12,611	0	29,457	11,622
ATCO 17664	EP	A 132	176,326	12,611	0	30,375	11,622
ATCO 17665	EP	A 132	176,326	12,611	0	31,293	11,622
ATCO 17666	EP	A 132	176,326	12,611	0	32,211	11,622
ATCO 17667	EP	A 132	176,326	12,611	0	33,129	11,622
ATCO 17668	EP	A 132	176,326	12,611	0	34,047	11,622
ATCO 17669	EP	A 132	176,326	12,611	0	34,965	11,622
ATCO 17670	EP	A 132	176,326	12,611	0	35,883	11,622
ATCO 17671	EP	A 132	176,326	12,611	0	36,801	11,622
ATCO 17672	EP	A 132	176,326	12,611	0	37,719	11,622
ATCO 17673	EP	A 132	176,326	12,611	0	38,637	11,622
ATCO 17674	EP	A 132	176,326	12,611	0	39,555	11,622
ATCO 17675	EP	A 132	176,326	12,611	0	40,473	11,622
ATCO 17676	EP	A 132	176,326	12,611	0	41,391	11,622
ATCO 17677	EP	A 132	176,326	12,611	0	42,309	11,622
ATCO 17678	EP	A 132	176,326	12,611	0	43,227	11,622
ATCO 17679	EP	A 132	176,326	12,611	0	44,145	11,622
ATCO 17680	EP	A 132	176,326	12,611	0	45,063	11,622
ATCO 17681	EP	A 132	176,326	12,611	0	45,981	11,622
ATCO 17682	EP	A 132	176,326	12,611	0	46,899	11,622
ATCO 17683	EP	A 132	176,326	12,611	0	47,817	11,622
ATCO 17684	EP	A 132	176,326	12,611	0	48,735	11,622
ATCO 17685	EP	A 132	176,326	12,611	0	49,653	11,622
ATCO 17686	EP	A 132	176,326	12,611	0	50,571	11,622
ATCO 17687	EP	A 132	176,326	12,611	0	51,489	11,622
ATCO 17688	EP	A 132	176,326	12,611	0	52,407	11,622
ATCO 17689	EP	A 132	176,326	12,611	0	53,325	11,622
ATCO 17690	EP	A 132	176,326	12,611	0	54,243	11,622
ATCO 17691	EP	A 132	176,326	12,611	0	55,161	11,622
ATCO 17692	EP	A 132	176,326	12,611	0	56,079	11,622
ATCO 17693	EP	A 132	176,326	12,611	0	56,997	11,622
ATCO 17694	EP	A 132	176,326	12,611	0	57,915	11,622
ATCO 17695	EP	A 132	176,326	12,611	0	58,833	11,622
ATCO 17696	EP	A 132	176,326	12,611	0	59,751	11,622
ATCO 17697	EP	A 132	176,326	12,611	0	60,669	11,622
ATCO 17698	EP	A 132	176,326	12,611	0	61,587	11,622
ATCO 17699	EP	A 132	176,326	12,611	0	62,505	11,622
ATCO 17700	EP	A 132	176,326	12,611	0	63,423	11,622
ATCO 17701	EP	A 132	176,326	12,611	0	64,341	11,622
ATCO 17702	EP	A 132	176,326	12,611	0	65,259	11,622
ATCO 17703	EP	A 132	176,326	12,611	0	66,177	11,622
ATCO 17704	EP	A 132	176,326	12,611	0	67,095	11,622
ATCO 17705	EP	A 132	176,326	12,611	0	68,013	11,622
ATCO 17706	EP	A 132	176,326	12,611	0	68,931	11,622
ATCO 17707	EP	A 132	176,326	12,611	0	69,849	11,622
ATCO 17708	EP	A 132	176,326	12,611	0	70,767	11,622
ATCO 17709	EP	A 132	176,326	12,611	0	71,685	11,622
ATCO 17710	EP	A 132	176,326	12,611	0	72,603	11,622
ATCO 17711	EP	A 132	176,326	12,611	0	73,521	11,622
ATCO 17712	EP	A 132	176,326	12,611	0	74,439	11,622
ATCO 17713	EP	A 132	176,326	12,611	0	75,357	11,622
ATCO 17714	EP	A 132	176,326	12,611	0	76,275	11,622
ATCO 17715	EP	A 132	176,326	12,611	0	77,193	11,622
ATCO 17716	EP	A 132	176,326	12,611	0	78,111	11,622
ATCO 17717	EP	A 132	176,326	12,611	0	79,029	11,622
ATCO 17718	EP	A 132	176,326	12,611	0	79,947	11,622
ATCO 17719	EP	A 132	176,326	12,611	0	80,865	11,622
ATCO 17720	EP	A 132	176,326	12,611	0	81,783	11,622
ATCO 17721	EP	A 132	176,326	12,611	0	82,701	11,622
ATCO 17722	EP	A 132	176,326	12,611	0	83,619	11,622
ATCO 17723	EP	A 132	176,326	12,611	0	84,537	11,622
ATCO 17724	EP	A 132	176,326	12,611	0	85,455	11,622
ATCO 17725	EP	A 132	176,326	12,611	0	86,373	11,622
ATCO 17726	EP	A 132	176,326	12,611	0	87,291	11,622
ATCO 17727	EP	A 132	176,326	12,611	0	88,209	11,622
ATCO 17728	EP	A 132	176,326	12,611	0	89,127	11,622
ATCO 17729	EP	A 132	176,326	12,611	0	90,045	11,622
ATCO 17730	EP	A 132	176,326	12,611	0	90,963	11,622
ATCO 17731	EP	A 132	176,326	12,611	0	91,881	11,622
ATCO 17732	EP	A 132	176,326	12,611	0	92,799	11,622
ATCO 17733	EP	A 132	176,326	12,611	0	93,717	11,622
ATCO 17734	EP	A 132	176,326	12,611	0	94,635	11,622
ATCO 17735	EP	A 132	176,326	12,611	0	95,553	11,622
ATCO 17736	EP	A 132	176,326	12,611	0	96,471	11,622
ATCO 17737	EP	A 132	176,326	12,611	0	97,389	11,622
ATCO 17738	EP	A 132	176,326	12,611	0	98,307	11,622
ATCO 17739	EP	A 132	176,326	12,611	0	99,225	11,622
ATCO 17740	EP	A 132	176,326	12,611	0	100,143	11,622
ATCO 17741	EP	A 132	176,326	12,611	0	101,061	11,622
ATCO 17742	EP	A 132	176,326	12,611	0	101,979	11,622
ATCO 17743	EP	A 132	176,326	12,611	0	102,897	11,622
ATCO 17744	EP	A 132	176,326	12,611	0	103,815	11,622
ATCO 17745	EP	A 132	176,326	12,611	0	104,733	11,622
ATCO 17746	EP	A 132	176,326	12,611	0	105,651	11,622
ATCO 17747	EP	A 132	176,326	12,611	0	106,569	11,622
ATCO 17748	EP	A 132	176,326	12,611	0	107,487	11,622
ATCO 17749	EP	A 132	176,326	12,611	0	108,405	11,622
ATCO 17750	EP	A 132	176,326	12,611	0	109,323	11,622
ATCO 17751	EP	A 132	176,326	12,611	0	110,241	11,622
ATCO 17752	EP	A 132	176,326	12,611	0	111,159	11,622
ATCO 17753	EP	A 132	176,326	12,611	0	112,077	11,622
ATCO 17754	EP	A 132	176,326	12,611	0	112,995	11,622
ATCO 17755	EP	A 132	176,326	12,611	0	113,913	11,622
ATCO 17756	EP	A 132	176,326	12,611	0	114,831	11,622
ATCO 17757	EP	A 132	176,326	12,611	0	115,749	11,622
ATCO 17758	EP	A 132	176,326	12,611	0	116,667	11,622
ATCO 17759	EP	A 132	176,326	12,611	0	117,585	11,622
ATCO 17760	EP	A 132	176,326	12,611	0	118,503	11,622
ATCO 17761	EP	A 132	176,326	12,611	0	119,421	11,622
ATCO 17762	EP	A 132	176,326	12,611	0	120,339	11,622
ATCO 17763	EP	A 132	176,326	12,611	0	121,257	11,622
ATCO 17764	EP	A 132	176,326	12,611	0	122,175	11,622
ATCO 17765	EP	A 132	176,326	12,611	0	123,093	11,622
ATCO 17766	EP	A 132	176,326	12,611	0	124,011	11,622
ATCO 17767	EP	A 132	176,326	12,611	0	124,929	11,622
ATCO 17768	EP	A 132	176,326	12,611	0	125,847	11,622
ATCO 17769	EP	A 132	176,326	12,611	0	126,765	11,622
ATCO 17770	EP	A 132	176,326	12,611	0	127,683	11,622
ATCO 17771	EP	A 132	176,326	12,611	0	128,601	11,622
ATCO 17772	EP	A 132	176,326	12,611	0	129,519	11,622
ATCO 17773	EP	A 132	176,326	12,611	0	130,437	11,622
ATCO 17774	EP	A 132	176,326	12,611	0	131,355	11,622
ATCO 17775	EP	A 132	176,326</				

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ATCU 16130	04	A A 770	101.147	90.794	-60.873	1.00	47.76	D	ATCU 16130	03	A A 760	100.795	94.123	-70.840	1.02	54.31	D
ATCU 16131	05	A A 770	103.277	90.770	-60.770	1.00	47.76	D	ATCU 16131	04	A A 760	100.811	93.453	-71.760	1.00	54.32	D
ATCU 16132	06	A A 770	100.000	90.761	-60.761	1.00	47.76	D	ATCU 16132	05	A A 760	100.800	92.800	-70.800	1.00	54.33	D
ATCU 16133	07	A A 770	100.000	90.772	-60.772	1.00	47.76	D	ATCU 16133	06	A A 760	101.003	92.713	-70.760	1.00	54.34	D
ATCU 16134	08	A A 770	102.141	90.649	-60.596	1.00	47.76	D	ATCU 16134	07	A A 760	100.999	92.706	-70.674	1.00	54.35	D
ATCU 16135	09	A A 770	101.501	90.721	-60.700	1.00	47.76	D	ATCU 16135	08	A A 760	100.716	92.700	-70.613	1.00	54.36	D
ATCU 16136	10	A A 770	101.000	90.746	-60.740	1.00	47.76	D	ATCU 16136	09	A A 760	100.720	92.620	-70.563	1.00	54.37	D
ATCU 16137	11	A A 770	102.000	90.600	-60.500	1.00	47.76	D	ATCU 16137	10	A A 760	100.836	92.734	-70.683	1.00	54.38	D
ATCU 16138	12	A A 770	102.000	90.677	-60.577	1.00	47.76	D	ATCU 16138	11	A A 760	100.827	92.673	-70.593	1.00	54.39	D
ATCU 16139	13	A A 770	102.000	90.706	-60.606	1.00	47.76	D	ATCU 16139	12	A A 760	100.791	92.650	-70.570	1.00	54.40	D
ATCU 16140	14	A A 770	102.000	90.736	-60.636	1.00	47.76	D	ATCU 16140	13	A A 760	100.804	92.627	-70.547	1.00	54.41	D
ATCU 16141	15	A A 770	102.000	90.766	-60.666	1.00	47.76	D	ATCU 16141	14	A A 760	100.817	92.604	-70.524	1.00	54.42	D
ATCU 16142	16	A A 770	102.000	90.796	-60.696	1.00	47.76	D	ATCU 16142	15	A A 760	100.830	92.581	-70.501	1.00	54.43	D
ATCU 16143	17	A A 770	102.000	90.826	-60.726	1.00	47.76	D	ATCU 16143	16	A A 760	100.843	92.558	-70.478	1.00	54.44	D
ATCU 16144	18	A A 770	102.000	90.856	-60.756	1.00	47.76	D	ATCU 16144	17	A A 760	100.856	92.535	-70.455	1.00	54.45	D
ATCU 16145	19	A A 770	102.000	90.886	-60.786	1.00	47.76	D	ATCU 16145	18	A A 760	100.869	92.512	-70.432	1.00	54.46	D
ATCU 16146	20	A A 770	102.000	90.916	-60.816	1.00	47.76	D	ATCU 16146	19	A A 760	100.882	92.489	-70.409	1.00	54.47	D
ATCU 16147	21	A A 770	102.000	90.946	-60.846	1.00	47.76	D	ATCU 16147	20	A A 760	100.895	92.466	-70.386	1.00	54.48	D
ATCU 16148	22	A A 770	102.000	90.976	-60.876	1.00	47.76	D	ATCU 16148	21	A A 760	100.908	92.443	-70.363	1.00	54.49	D
ATCU 16149	23	A A 770	102.000	91.006	-60.906	1.00	47.76	D	ATCU 16149	22	A A 760	100.921	92.420	-70.340	1.00	54.50	D
ATCU 16150	24	A A 770	102.000	91.036	-60.936	1.00	47.76	D	ATCU 16150	23	A A 760	100.934	92.397	-70.317	1.00	54.51	D
ATCU 16151	25	A A 770	102.000	91.066	-60.966	1.00	47.76	D	ATCU 16151	24	A A 760	100.947	92.374	-70.294	1.00	54.52	D
ATCU 16152	26	A A 770	102.000	91.096	-60.996	1.00	47.76	D	ATCU 16152	25	A A 760	100.960	92.351	-70.271	1.00	54.53	D
ATCU 16153	27	A A 770	102.000	91.126	-61.026	1.00	47.76	D	ATCU 16153	26	A A 760	100.973	92.328	-70.248	1.00	54.54	D
ATCU 16154	28	A A 770	102.000	91.156	-61.056	1.00	47.76	D	ATCU 16154	27	A A 760	100.986	92.305	-70.225	1.00	54.55	D
ATCU 16155	29	A A 770	102.000	91.186	-61.086	1.00	47.76	D	ATCU 16155	28	A A 760	100.999	92.282	-70.202	1.00	54.56	D
ATCU 16156	30	A A 770	102.000	91.216	-61.116	1.00	47.76	D	ATCU 16156	29	A A 760	101.012	92.259	-70.179	1.00	54.57	D
ATCU 16157	31	A A 770	102.000	91.246	-61.146	1.00	47.76	D	ATCU 16157	30	A A 760	101.025	92.236	-70.156	1.00	54.58	D
ATCU 16158	32	A A 770	102.000	91.276	-61.176	1.00	47.76	D	ATCU 16158	31	A A 760	101.038	92.213	-70.133	1.00	54.59	D
ATCU 16159	33	A A 770	102.000	91.306	-61.206	1.00	47.76	D	ATCU 16159	32	A A 760	101.051	92.190	-70.110	1.00	54.60	D
ATCU 16160	34	A A 770	102.000	91.336	-61.236	1.00	47.76	D	ATCU 16160	33	A A 760	101.064	92.167	-70.087	1.00	54.61	D
ATCU 16161	35	A A 770	102.000	91.366	-61.266	1.00	47.76	D	ATCU 16161	34	A A 760	101.077	92.144	-70.064	1.00	54.62	D
ATCU 16162	36	A A 770	102.000	91.396	-61.296	1.00	47.76	D	ATCU 16162	35	A A 760	101.090	92.121	-70.041	1.00	54.63	D
ATCU 16163	37	A A 770	102.000	91.426	-61.326	1.00	47.76	D	ATCU 16163	36	A A 760	101.103	92.098	-70.018	1.00	54.64	D
ATCU 16164	38	A A 770	102.000	91.456	-61.356	1.00	47.76	D	ATCU 16164	37	A A 760	101.116	92.075	-69.995	1.00	54.65	D
ATCU 16165	39	A A 770	102.000	91.486	-61.386	1.00	47.76	D	ATCU 16165	38	A A 760	101.129	92.052	-69.972	1.00	54.66	D
ATCU 16166	40	A A 770	102.000	91.516	-61.416	1.00	47.76	D	ATCU 16166	39	A A 760	101.142	92.029	-69.949	1.00	54.67	D
ATCU 16167	41	A A 770	102.000	91.546	-61.446	1.00	47.76	D	ATCU 16167	40	A A 760	101.155	92.006	-69.926	1.00	54.68	D
ATCU 16168	42	A A 770	102.000	91.576	-61.476	1.00	47.76	D	ATCU 16168	41	A A 760	101.168	91.983	-69.903	1.00	54.69	D
ATCU 16169	43	A A 770	102.000	91.606	-61.506	1.00	47.76	D	ATCU 16169	42	A A 760	101.181	91.960	-69.880	1.00	54.70	D
ATCU 16170	44	A A 770	102.000	91.636	-61.536	1.00	47.76	D	ATCU 16170	43	A A 760	101.194	91.937	-69.857	1.00	54.71	D
ATCU 16171	45	A A 770	102.000	91.666	-61.566	1.00	47.76	D	ATCU 16171	44	A A 760	101.207	91.914	-69.834	1.00	54.72	D
ATCU 16172	46	A A 770	102.000	91.696	-61.596	1.00	47.76	D	ATCU 16172	45	A A 760	101.220	91.891	-69.811	1.00	54.73	D
ATCU 16173	47	A A 770	102.000	91.726	-61.626	1.00	47.76	D	ATCU 16173	46	A A 760	101.233	91.868	-69.788	1.00	54.74	D
ATCU 16174	48	A A 770	102.000	91.756	-61.656	1.00	47.76	D	ATCU 16174	47	A A 760	101.246	91.845	-69.765	1.00	54.75	D
ATCU 16175	49	A A 770	102.000	91.786	-61.686	1.00	47.76	D	ATCU 16175	48	A A 760	101.259	91.822	-69.742	1.00	54.76	D
ATCU 16176	50	A A 770	102.000	91.816	-61.716	1.00	47.76	D	ATCU 16176	49	A A 760	101.272	91.799	-69.719	1.00	54.77	D
ATCU 16177	51	A A 770	102.000	91.846	-61.746	1.00	47.76	D	ATCU 16177	50	A A 760	101.285	91.776	-69.696	1.00	54.78	D
ATCU 16178	52	A A 770	102.000	91.876	-61.776	1.00	47.76	D	ATCU 16178	51	A A 760	101.298	91.753	-69.673	1.00	54.79	D
ATCU 16179	53	A A 770	102.000	91.906	-61.806	1.00	47.76	D	ATCU 16179	52	A A 760	101.311	91.730	-69.650	1.00	54.80	D
ATCU 16180	54	A A 770	102.000	91.936	-61.836	1.00	47.76	D	ATCU 16180	53	A A 760	101.324	91.707	-69.627	1.00	54.81	D
ATCU 16181	55	A A 770	102.000	91.966	-61.866	1.00	47.76	D	ATCU 16181	54	A A 760	101.337	91.684	-69.604	1.00	54.82	D
ATCU 16182	56	A A 770	102.000	91.996	-61.896	1.00	47.76	D	ATCU 16182	55	A A 760	101.350	91.661	-69.581	1.00	54.83	D
ATCU 16183	57	A A 770	102.000	92.026	-61.926	1.00	47.76	D	ATCU 16183	56	A A 760	101.363	91.638	-69.558	1.00	54.84	D
ATCU 16184	58	A A 770	102.000	92.056	-61.956	1.00	47.76	D	ATCU 16184	57	A A 760	101.376	91.615	-69.535	1.00	54.85	D
ATCU 16185	59	A A 770	102.000	92.086	-61.986	1.00	47.76	D	ATCU 16185	58	A A 760	101.389	91.592	-69.512	1.00	54.86	D
ATCU 16186	60	A A 770	102.000	92.116	-62.016	1.00	47.76	D	ATCU 16186	59	A A 760	101.402	91.569	-69.489	1.00	54.87	D
ATCU 16187	61	A A 770	102.000	92.146	-62.046	1.00	47.76	D	ATCU 16187	60	A A 760	101.415	91.546	-69.466	1.00	54.88	D
ATCU 16188	62	A A 770	102.000	92.176	-62.076	1.00	47.76	D	ATCU 16188	61	A A 760	101.428	91.523	-69.443	1.00	54.89	D
ATCU 16189	63	A A 770	102.000	92.206	-62.106	1.00	47.76	D	ATCU 16189	62	A A 760	101.441	91.500	-69.420	1.00	54.90	D
ATCU 16190	64	A A 770	102.000	92.236	-62.136	1.00	47.76	D	ATCU 16190	63	A A 760	101.454	91.477	-69.397	1.00	54.91	D
ATCU 16191	65	A A 770	102.000	92.266	-62.166	1.00	47.76	D	ATCU 16191	64	A A 760	101.467	91.454	-69.374	1.00	54.92	D
ATCU 16192	66	A A 770	102.000	92.296	-62.196	1.00	47.76	D	ATCU 16192	65	A A 760	101.480	91.431	-69.351	1.00	54.93	D
ATCU 16193	67	A A 770	102.000	92.326	-62.226	1.00	47.76	D	ATCU 16193	66	A A 760	101.493	91.408	-69.328	1.00	54.94	D
ATCU 16194	68	A A 770	102.000	92.356	-62.256	1.00	47.76	D	ATCU 16194	67	A A 760	101.506	91.385	-69.305	1.00	54.95	D
ATCU 16195	69	A A 770	102.000	92.386	-62.286	1.00	47.76	D	ATCU 16195	68	A A 760	101.519	91.362	-69.282	1.00	54.96	D
ATCU 16196	70	A A 770	102.000	92.416	-62.316	1.00	47.76	D	ATCU 16196	69	A A 760	101.532	91.339	-69.259	1.00	54.97	D
ATCU 16197	71	A A 770	102.000	92.446	-62.346	1.00	47.76	D	ATCU 16197	70	A A 760	101.545	91.316	-			

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ATON 13708 C3	A 000	196,244	94,331	-32,818	3,00	36,33	C
ATON 13709 C5	A 000	197,714	94,881	-31,932	1,00	36,33	C
ATON 13710 00	A 000	199,760	95,331	-31,833	1,00	36,33	C
ATON 13711 01	A 000	137,102	67,513	-19,833	1,00	36,33	C
ATON 13712 C0	A 000	187,185	92,942	-30,743	1,00	36,33	C
ATON 13713 10	A 000	196,336	92,351	-31,196	1,00	36,33	C
ATON 13714 00	A 000	197,129	92,179	-31,843	1,00	36,33	C
ATON 13715 C4	A 000	198,190	92,094	-31,646	1,00	36,33	C
ATON 13716 00	A 000	196,227	91,744	-31,093	1,00	36,34	C
ATON 13717 00P	A 000	197,167	90,145	-30,410	1,00	36,35	C
ATON 13718 00P	A 000	198,512	91,538	-30,817	1,00	36,35	C
ATON 13719 00P	A 000	198,136	90,879	-31,078	1,00	36,36	C
ATON 13720 C3P	A 000	195,273	91,447	-30,740	1,00	36,36	C
ATON 13721 C4P	A 000	196,817	90,806	-30,526	1,00	36,36	C
ATON 13722 C4P	A 000	196,100	91,083	-31,110	1,00	36,36	C
ATON 13723 10P	A 000	195,275	91,150	-30,290	1,00	36,36	C
ATON 13724 C2P	A 000	195,138	90,754	-31,363	1,00	36,36	C
ATON 13725 12P	A 000	195,973	90,713	-31,017	1,00	36,36	C
ATON 13726 00P	A 000	192,100	89,227	-31,013	1,00	36,36	C
ATON 13727 11P	A 000	196,138	90,776	-31,179	1,00	36,36	C
ATON 13728 01P	A 000	194,047	90,179	-31,544	1,00	36,36	C
ATON 13729 C0	A 000	195,471	90,299	-30,820	1,00	36,36	C
ATON 13730 01	A 000	192,660	91,218	-31,112	1,00	36,36	C
ATON 13731 02	A 000	193,990	90,548	-31,723	1,00	36,36	C
ATON 13732 04	A 000	194,436	90,128	-30,474	1,00	36,36	C
ATON 13733 04	A 000	193,880	91,746	-31,614	1,00	36,36	C
ATON 13734 03	A 000	194,136	90,618	-31,372	1,00	36,36	C
ATON 13735 10	A 000	194,614	91,380	-30,190	1,00	36,36	C
ATON 13736 01	A 000	193,484	91,426	-27,869	1,00	36,36	C
ATON 13737 01P	A 000	196,407	91,110	-30,912	1,00	36,36	C
ATON 13738 02P	A 000	191,760	90,088	-27,510	1,00	36,36	C
ATON 13739 00P	A 000	190,195	89,270	-26,736	1,00	36,36	C
ATON 13740 C4P	A 000	191,193	89,566	-26,413	1,00	36,36	C
ATON 13741 C4P	A 000	194,411	90,816	-31,134	1,00	36,36	C
ATON 13742 C4P	A 000	195,164	90,790	-30,416	1,00	36,36	C
ATON 13743 C4P	A 000	187,825	89,753	-28,889	1,00	36,36	C
ATON 13744 C4P	A 000	196,080	90,130	-30,816	1,00	36,36	C
ATON 13745 C4P	A 000	187,448	89,427	-28,516	1,00	36,36	C
ATON 13746 C2P	A 000	196,132	90,130	-32,077	1,00	36,36	C
ATON 13747 C1	A 000	190,113	87,144	-30,166	1,00	36,36	C
ATON 13748 00	A 000	190,498	88,210	-29,843	1,00	36,36	C
ATON 13749 C0	A 000	196,341	90,908	-32,349	1,00	36,36	C
ATON 13750 07	A 000	190,695	89,391	-32,842	1,00	36,36	C
ATON 13751 03	A 000	190,187	89,133	-32,976	1,00	36,36	C
ATON 13752 C1	A 000	190,326	91,090	-31,077	1,00	36,36	C
ATON 13753 10	A 000	190,729	91,131	-30,943	1,00	36,36	C
ATON 13754 01	A 000	190,390	90,590	-30,520	1,00	36,36	C
ATON 13755 C2	A 000	190,723	90,416	-30,367	1,00	36,36	C
ATON 13756 03	A 000	189,728	89,219	-30,943	1,00	36,36	C
ATON 13757 C1	A 000	190,176	90,436	-31,075	1,00	36,36	C
ATON 13758 07	A 000	193,734	91,160	-32,526	1,00	36,36	C
ATON 13759 00	A 000	190,462	90,214	-30,749	1,00	36,36	C
ATON 13760 00P	A 000	194,077	91,233	-31,947	1,00	36,36	C
ATON 13761 00P	A 000	190,427	91,130	-30,943	1,00	36,36	C
ATON 13762 C4P	A 000	194,792	90,674	-30,947	1,00	36,36	C
ATON 13763 C4P	A 000	190,502	89,769	-31,026	1,00	36,36	C
ATON 13764 00P	A 000	194,205	91,022	-31,947	1,00	36,36	C
ATON 13765 C3P	A 000	191,420	90,199	-30,873	1,00	36,36	C
ATON 13766 00P	A 000	193,842	90,130	-30,943	1,00	36,36	C
ATON 13767 C2P	A 000	195,060	90,130	-30,943	1,00	36,36	C
ATON 13768 00P	A 000	196,362	90,130	-32,940	1,00	36,36	C
ATON 13769 C1P	A 000	196,362	90,130	-32,940	1,00	36,36	C
ATON 13770 00	A 000	197,540	91,071	-30,812	1,00	36,36	C
ATON 13771 03	A 000	197,736	90,746	-30,993	1,00	36,36	C
ATON 13772 07	A 000	198,490	91,239	-30,711	1,00	36,36	C
ATON 13773 C0	A 000	197,894	92,774	-30,170	1,00	36,36	C
ATON 13774 03	A 000	199,100	92,774	-30,170	1,00	36,36	C
ATON 13775 00	A 000	198,779	92,774	-30,170	1,00	36,36	C
ATON 13776 01	A 000	198,222	94,146	-30,576	1,00	36,36	C
ATON 13777 C2	A 000	199,118	94,092	-30,563	1,00	36,36	C
ATON 13778 01	A 000	199,045	94,136	-31,747	1,00	36,36	C
ATON 13779 C2	A 000	199,045	94,136	-31,747	1,00	36,36	C
ATON 13780 C4	A 000	198,425	94,633	-30,953	1,00	36,36	C
ATON 13781 01	A 000	198,410	91,460	-30,649	1,00	36,36	C
ATON 13782 C1P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13783 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13784 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13785 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13786 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13787 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13788 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13789 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13790 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13791 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13792 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13793 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13794 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13795 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13796 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13797 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13798 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13799 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13800 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13801 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13802 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13803 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13804 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13805 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13806 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13807 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13808 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13809 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13810 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13811 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13812 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13813 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13814 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13815 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13816 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13817 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13818 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13819 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13820 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13821 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13822 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13823 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13824 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13825 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13826 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13827 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13828 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13829 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13830 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13831 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13832 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13833 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13834 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13835 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13836 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13837 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13838 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13839 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13840 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13841 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13842 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13843 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13844 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13845 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13846 C2P	A 000	198,460	91,460	-30,649	1,00	36,36	C
ATON 13847 C2P	A 000	198,460					

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AT0001	21400	00	0	A10000	196,341	124,329	-11,100	1,00	21,21	0
AT0002	21400	01	0	A10000	196,275	124,372	-11,462	1,00	21,21	0
AT0003	21400	02	0	A10000	196,210	124,415	-11,883	1,00	21,21	0
AT0004	21400	03	0	A10000	196,145	124,458	-12,313	1,00	21,21	0
AT0005	21400	04	0	A10000	196,080	124,501	-12,743	1,00	21,21	0
AT0006	21400	05	0	A10000	196,015	124,544	-13,173	1,00	21,21	0
AT0007	21400	06	0	A10000	195,950	124,587	-13,603	1,00	21,21	0
AT0008	21400	07	0	A10000	195,885	124,630	-14,033	1,00	21,21	0
AT0009	21400	08	0	A10000	195,820	124,673	-14,463	1,00	21,21	0
AT0010	21400	09	0	A10000	195,755	124,716	-14,893	1,00	21,21	0
AT0011	21400	10	0	A10000	195,690	124,759	-15,323	1,00	21,21	0
AT0012	21400	11	0	A10000	195,625	124,802	-15,753	1,00	21,21	0
AT0013	21400	12	0	A10000	195,560	124,845	-16,183	1,00	21,21	0
AT0014	21400	13	0	A10000	195,495	124,888	-16,613	1,00	21,21	0
AT0015	21400	14	0	A10000	195,430	124,931	-17,043	1,00	21,21	0
AT0016	21400	15	0	A10000	195,365	124,974	-17,473	1,00	21,21	0
AT0017	21400	16	0	A10000	195,300	125,017	-17,903	1,00	21,21	0
AT0018	21400	17	0	A10000	195,235	125,060	-18,333	1,00	21,21	0
AT0019	21400	18	0	A10000	195,170	125,103	-18,763	1,00	21,21	0
AT0020	21400	19	0	A10000	195,105	125,146	-19,193	1,00	21,21	0
AT0021	21400	20	0	A10000	195,040	125,189	-19,623	1,00	21,21	0
AT0022	21400	21	0	A10000	194,975	125,232	-20,053	1,00	21,21	0
AT0023	21400	22	0	A10000	194,910	125,275	-20,483	1,00	21,21	0
AT0024	21400	23	0	A10000	194,845	125,318	-20,913	1,00	21,21	0
AT0025	21400	24	0	A10000	194,780	125,361	-21,343	1,00	21,21	0
AT0026	21400	25	0	A10000	194,715	125,404	-21,773	1,00	21,21	0
AT0027	21400	26	0	A10000	194,650	125,447	-22,203	1,00	21,21	0
AT0028	21400	27	0	A10000	194,585	125,490	-22,633	1,00	21,21	0
AT0029	21400	28	0	A10000	194,520	125,533	-23,063	1,00	21,21	0
AT0030	21400	29	0	A10000	194,455	125,576	-23,493	1,00	21,21	0
AT0031	21400	30	0	A10000	194,390	125,619	-23,923	1,00	21,21	0
AT0032	21400	31	0	A10000	194,325	125,662	-24,353	1,00	21,21	0
AT0033	21400	32	0	A10000	194,260	125,705	-24,783	1,00	21,21	0
AT0034	21400	33	0	A10000	194,195	125,748	-25,213	1,00	21,21	0
AT0035	21400	34	0	A10000	194,130	125,791	-25,643	1,00	21,21	0
AT0036	21400	35	0	A10000	194,065	125,834	-26,073	1,00	21,21	0
AT0037	21400	36	0	A10000	194,000	125,877	-26,503	1,00	21,21	0
AT0038	21400	37	0	A10000	193,935	125,920	-26,933	1,00	21,21	0
AT0039	21400	38	0	A10000	193,870	125,963	-27,363	1,00	21,21	0
AT0040	21400	39	0	A10000	193,805	126,006	-27,793	1,00	21,21	0
AT0041	21400	40	0	A10000	193,740	126,049	-28,223	1,00	21,21	0
AT0042	21400	41	0	A10000	193,675	126,092	-28,653	1,00	21,21	0
AT0043	21400	42	0	A10000	193,610	126,135	-29,083	1,00	21,21	0
AT0044	21400	43	0	A10000	193,545	126,178	-29,513	1,00	21,21	0
AT0045	21400	44	0	A10000	193,480	126,221	-29,943	1,00	21,21	0
AT0046	21400	45	0	A10000	193,415	126,264	-30,373	1,00	21,21	0
AT0047	21400	46	0	A10000	193,350	126,307	-30,803	1,00	21,21	0
AT0048	21400	47	0	A10000	193,285	126,350	-31,233	1,00	21,21	0
AT0049	21400	48	0	A10000	193,220	126,393	-31,663	1,00	21,21	0
AT0050	21400	49	0	A10000	193,155	126,436	-32,093	1,00	21,21	0
AT0051	21400	50	0	A10000	193,090	126,479	-32,523	1,00	21,21	0
AT0052	21400	51	0	A10000	193,025	126,522	-32,953	1,00	21,21	0
AT0053	21400	52	0	A10000	192,960	126,565	-33,383	1,00	21,21	0
AT0054	21400	53	0	A10000	192,895	126,608	-33,813	1,00	21,21	0
AT0055	21400	54	0	A10000	192,830	126,651	-34,243	1,00	21,21	0
AT0056	21400	55	0	A10000	192,765	126,694	-34,673	1,00	21,21	0
AT0057	21400	56	0	A10000	192,700	126,737	-35,103	1,00	21,21	0
AT0058	21400	57	0	A10000	192,635	126,780	-35,533	1,00	21,21	0
AT0059	21400	58	0	A10000	192,570	126,823	-35,963	1,00	21,21	0
AT0060	21400	59	0	A10000	192,505	126,866	-36,393	1,00	21,21	0
AT0061	21400	60	0	A10000	192,440	126,909	-36,823	1,00	21,21	0
AT0062	21400	61	0	A10000	192,375	126,952	-37,253	1,00	21,21	0
AT0063	21400	62	0	A10000	192,310	126,995	-37,683	1,00	21,21	0
AT0064	21400	63	0	A10000	192,245	127,038	-38,113	1,00	21,21	0
AT0065	21400	64	0	A10000	192,180	127,081	-38,543	1,00	21,21	0
AT0066	21400	65	0	A10000	192,115	127,124	-38,973	1,00	21,21	0
AT0067	21400	66	0	A10000	192,050	127,167	-39,403	1,00	21,21	0
AT0068	21400	67	0	A10000	191,985	127,210	-39,833	1,00	21,21	0
AT0069	21400	68	0	A10000	191,920	127,253	-40,263	1,00	21,21	0
AT0070	21400	69	0	A10000	191,855	127,296	-40,693	1,00	21,21	0
AT0071	21400	70	0	A10000	191,790	127,339	-41,123	1,00	21,21	0
AT0072	21400	71	0	A10000	191,725	127,382	-41,553	1,00	21,21	0
AT0073	21400	72	0	A10000	191,660	127,425	-41,983	1,00	21,21	0
AT0074	21400	73	0	A10000	191,595	127,468	-42,413	1,00	21,21	0
AT0075	21400	74	0	A10000	191,530	127,511	-42,843	1,00	21,21	0
AT0076	21400	75	0	A10000	191,465	127,554	-43,273	1,00	21,21	0
AT0077	21400	76	0	A10000	191,400	127,597	-43,703	1,00	21,21	0
AT0078	21400	77	0	A10000	191,335	127,640	-44,133	1,00	21,21	0
AT0079	21400	78	0	A10000	191,270	127,683	-44,563	1,00	21,21	0
AT0080	21400	79	0	A10000	191,205	127,726	-44,993	1,00	21,21	0
AT0081	21400	80	0	A10000	191,140	127,769	-45,423	1,00	21,21	0
AT0082	21400	81	0	A10000	191,075	127,812	-45,853	1,00	21,21	0
AT0083	21400	82	0	A10000	191,010	127,855	-46,283	1,00	21,21	0
AT0084	21400	83	0	A10000	190,945	127,898	-46,713	1,00	21,21	0
AT0085	21400	84	0	A10000	190,880	127,941	-47,143	1,00	21,21	0
AT0086	21400	85	0	A10000	190,815	127,984	-47,573	1,00	21,21	0
AT0087	21400	86	0	A10000	190,750	128,027	-48,003	1,00	21,21	0
AT0088	21400	87	0	A10000	190,685	128,070	-48,433	1,00	21,21	0
AT0089	21400	88	0	A10000	190,620	128,113	-48,863	1,00	21,21	0
AT0090	21400	89	0	A10000	190,555	128,156	-49,293	1,00	21,21	0
AT0091	21400	90	0	A10000	190,490	128,199	-49,723	1,00	21,21	0
AT0092	21400	91	0	A10000	190,425	128,242	-50,153	1,00	21,21	0
AT0093	21400	92	0	A10000	190,360	128,285	-50,583	1,00	21,21	0
AT0094	21400	93	0	A10000	190,295	128,328	-51,013	1,00	21,21	0
AT0095	21400	94	0	A10000	190,230	128,371	-51,443	1,00	21,21	0
AT0096	21400	95	0	A10000	190,165	128,414	-51,873	1,00	21,21	0
AT0097	21400	96	0	A10000	190,100	128,457	-52,303	1,00	21,21	0
AT0098	21400	97	0	A10000	190,035	128,500	-52,733	1,00	21,21	0
AT0099	21400	98	0	A10000	189,970	128,543	-53,163	1,00	21,21	0
AT0100	21400	99	0	A10000	189,905	128,586	-53,593	1,00	21,21	0
AT0101	21400	00	0	A10000	189,840	128,629	-54,023	1,00	21,21	0
AT0102	21400	01	0	A10000	189,775	128,672	-54,453	1,00	21,21	0
AT0103	21400	02	0	A10000	189,710	128,715	-54,883	1,00	21,21	0
AT0104	21400	03	0	A10000	189,645	128,758	-55,313	1,00	21,21	0
AT0105	21400	04	0	A10000	189,580	128,801	-55,743	1,00	21,21	0
AT0106	21400	05	0	A10000	189,515	128,844	-56,173	1,00	21,21	0
AT0107	21400	06	0	A10000	189,450	128,887	-56,603	1,00	21,21	0
AT0108	21400	07	0	A10000	189,385	128,930	-57,033	1,00	21,21	0
AT0109	21400	08	0	A10000	189,320	128,973	-57,463	1,00	21,21	0
AT0110	21400	09	0	A10000	189,255	129,016	-57,893	1,00	21,21	0
AT0111	21400	10	0	A10000	189,190	129,059	-58,323	1,00	21,21	0
AT0112	21400	11	0	A10000	189,125	129,102	-58,753	1,00	21,21	0
AT0113	21400	12	0	A10000	189,060	129,145	-59,183	1,00	21,21	0
AT0114	21400	13	0	A10000	188,995	129,188				

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ATM 1204 C2	0 A1110	236,461 162,973	1,400	1,00	33,25	C
ATM 1205 C2	0 A1110	237,343 161,840	1,399	1,00	33,25	C
ATM 1206 C2	0 A1110	238,225 160,707	1,398	1,00	33,25	C
ATM 1207 C2	0 A1110	239,107 159,574	1,397	1,00	33,25	C
ATM 1208 C2	0 A1110	240,000 158,441	1,396	1,00	33,25	C
ATM 1209 C2	0 A1110	240,893 157,308	1,395	1,00	33,25	C
ATM 1210 C2	0 A1110	241,785 156,175	1,394	1,00	33,25	C
ATM 1211 C2	0 A1110	242,678 155,042	1,393	1,00	33,25	C
ATM 1212 C2	0 A1110	243,570 153,909	1,392	1,00	33,25	C
ATM 1213 C2	0 A1110	244,463 152,776	1,391	1,00	33,25	C
ATM 1214 C2	0 A1110	245,355 151,643	1,390	1,00	33,25	C
ATM 1215 C2	0 A1110	246,248 150,510	1,389	1,00	33,25	C
ATM 1216 C2	0 A1110	247,140 149,377	1,388	1,00	33,25	C
ATM 1217 C2	0 A1110	248,033 148,244	1,387	1,00	33,25	C
ATM 1218 C2	0 A1110	248,925 147,111	1,386	1,00	33,25	C
ATM 1219 C2	0 A1110	249,818 145,978	1,385	1,00	33,25	C
ATM 1220 C2	0 A1110	250,710 144,845	1,384	1,00	33,25	C
ATM 1221 C2	0 A1110	251,603 143,712	1,383	1,00	33,25	C
ATM 1222 C2	0 A1110	252,495 142,579	1,382	1,00	33,25	C
ATM 1223 C2	0 A1110	253,388 141,446	1,381	1,00	33,25	C
ATM 1224 C2	0 A1110	254,280 140,313	1,380	1,00	33,25	C
ATM 1225 C2	0 A1110	255,173 139,180	1,379	1,00	33,25	C
ATM 1226 C2	0 A1110	256,065 138,047	1,378	1,00	33,25	C
ATM 1227 C2	0 A1110	256,958 136,914	1,377	1,00	33,25	C
ATM 1228 C2	0 A1110	257,850 135,781	1,376	1,00	33,25	C
ATM 1229 C2	0 A1110	258,743 134,648	1,375	1,00	33,25	C
ATM 1230 C2	0 A1110	259,635 133,515	1,374	1,00	33,25	C
ATM 1231 C2	0 A1110	260,528 132,382	1,373	1,00	33,25	C
ATM 1232 C2	0 A1110	261,420 131,249	1,372	1,00	33,25	C
ATM 1233 C2	0 A1110	262,313 130,116	1,371	1,00	33,25	C
ATM 1234 C2	0 A1110	263,205 128,983	1,370	1,00	33,25	C
ATM 1235 C2	0 A1110	264,098 127,850	1,369	1,00	33,25	C
ATM 1236 C2	0 A1110	264,990 126,717	1,368	1,00	33,25	C
ATM 1237 C2	0 A1110	265,883 125,584	1,367	1,00	33,25	C
ATM 1238 C2	0 A1110	266,775 124,451	1,366	1,00	33,25	C
ATM 1239 C2	0 A1110	267,668 123,318	1,365	1,00	33,25	C
ATM 1240 C2	0 A1110	268,560 122,185	1,364	1,00	33,25	C
ATM 1241 C2	0 A1110	269,453 121,052	1,363	1,00	33,25	C
ATM 1242 C2	0 A1110	270,345 119,919	1,362	1,00	33,25	C
ATM 1243 C2	0 A1110	271,238 118,786	1,361	1,00	33,25	C
ATM 1244 C2	0 A1110	272,130 117,653	1,360	1,00	33,25	C
ATM 1245 C2	0 A1110	273,023 116,520	1,359	1,00	33,25	C
ATM 1246 C2	0 A1110	273,915 115,387	1,358	1,00	33,25	C
ATM 1247 C2	0 A1110	274,808 114,254	1,357	1,00	33,25	C
ATM 1248 C2	0 A1110	275,700 113,121	1,356	1,00	33,25	C
ATM 1249 C2	0 A1110	276,593 109,988	1,355	1,00	33,25	C
ATM 1250 C2	0 A1110	277,485 108,855	1,354	1,00	33,25	C
ATM 1251 C2	0 A1110	278,378 107,722	1,353	1,00	33,25	C
ATM 1252 C2	0 A1110	279,270 106,589	1,352	1,00	33,25	C
ATM 1253 C2	0 A1110	280,163 105,456	1,351	1,00	33,25	C
ATM 1254 C2	0 A1110	281,055 104,323	1,350	1,00	33,25	C
ATM 1255 C2	0 A1110	281,948 103,190	1,349	1,00	33,25	C
ATM 1256 C2	0 A1110	282,840 102,057	1,348	1,00	33,25	C
ATM 1257 C2	0 A1110	283,733 100,924	1,347	1,00	33,25	C
ATM 1258 C2	0 A1110	284,625 99,791	1,346	1,00	33,25	C
ATM 1259 C2	0 A1110	285,518 98,658	1,345	1,00	33,25	C
ATM 1260 C2	0 A1110	286,410 97,525	1,344	1,00	33,25	C
ATM 1261 C2	0 A1110	287,303 96,392	1,343	1,00	33,25	C
ATM 1262 C2	0 A1110	288,195 95,259	1,342	1,00	33,25	C
ATM 1263 C2	0 A1110	289,088 94,126	1,341	1,00	33,25	C
ATM 1264 C2	0 A1110	289,980 92,993	1,340	1,00	33,25	C
ATM 1265 C2	0 A1110	290,873 91,860	1,339	1,00	33,25	C
ATM 1266 C2	0 A1110	291,765 90,727	1,338	1,00	33,25	C
ATM 1267 C2	0 A1110	292,658 89,594	1,337	1,00	33,25	C
ATM 1268 C2	0 A1110	293,550 88,461	1,336	1,00	33,25	C
ATM 1269 C2	0 A1110	294,443 87,328	1,335	1,00	33,25	C
ATM 1270 C2	0 A1110	295,335 86,195	1,334	1,00	33,25	C
ATM 1271 C2	0 A1110	296,228 85,062	1,333	1,00	33,25	C
ATM 1272 C2	0 A1110	297,120 83,929	1,332	1,00	33,25	C
ATM 1273 C2	0 A1110	298,013 82,796	1,331	1,00	33,25	C
ATM 1274 C2	0 A1110	298,905 81,663	1,330	1,00	33,25	C
ATM 1275 C2	0 A1110	299,798 80,530	1,329	1,00	33,25	C
ATM 1276 C2	0 A1110	300,690 79,397	1,328	1,00	33,25	C
ATM 1277 C2	0 A1110	301,583 78,264	1,327	1,00	33,25	C
ATM 1278 C2	0 A1110	302,475 77,131	1,326	1,00	33,25	C
ATM 1279 C2	0 A1110	303,368 75,998	1,325	1,00	33,25	C
ATM 1280 C2	0 A1110	304,260 74,865	1,324	1,00	33,25	C
ATM 1281 C2	0 A1110	305,153 73,732	1,323	1,00	33,25	C
ATM 1282 C2	0 A1110	306,045 72,599	1,322	1,00	33,25	C
ATM 1283 C2	0 A1110	306,938 71,466	1,321	1,00	33,25	C
ATM 1284 C2	0 A1110	307,830 70,333	1,320	1,00	33,25	C
ATM 1285 C2	0 A1110	308,723 69,200	1,319	1,00	33,25	C
ATM 1286 C2	0 A1110	309,615 68,067	1,318	1,00	33,25	C
ATM 1287 C2	0 A1110	310,508 66,934	1,317	1,00	33,25	C
ATM 1288 C2	0 A1110	311,400 65,801	1,316	1,00	33,25	C
ATM 1289 C2	0 A1110	312,293 64,668	1,315	1,00	33,25	C
ATM 1290 C2	0 A1110	313,185 63,535	1,314	1,00	33,25	C
ATM 1291 C2	0 A1110	314,078 62,402	1,313	1,00	33,25	C
ATM 1292 C2	0 A1110	314,970 61,269	1,312	1,00	33,25	C
ATM 1293 C2	0 A1110	315,863 60,136	1,311	1,00	33,25	C
ATM 1294 C2	0 A1110	316,755 59,003	1,310	1,00	33,25	C
ATM 1295 C2	0 A1110	317,648 57,870	1,309	1,00	33,25	C
ATM 1296 C2	0 A1110	318,540 56,737	1,308	1,00	33,25	C
ATM 1297 C2	0 A1110	319,433 55,604	1,307	1,00	33,25	C
ATM 1298 C2	0 A1110	320,325 54,471	1,306	1,00	33,25	C
ATM 1299 C2	0 A1110	321,218 53,338	1,305	1,00	33,25	C
ATM 1300 C2	0 A1110	322,110 52,205	1,304	1,00	33,25	C
ATM 1301 C2	0 A1110	323,003 51,072	1,303	1,00	33,25	C
ATM 1302 C2	0 A1110	323,895 49,939	1,302	1,00	33,25	C
ATM 1303 C2	0 A1110	324,788 48,806	1,301	1,00	33,25	C
ATM 1304 C2	0 A1110	325,680 47,673	1,300	1,00	33,25	C
ATM 1305 C2	0 A1110	326,573 46,540	1,299	1,00	33,25	C
ATM 1306 C2	0 A1110	327,465 45,407	1,298	1,00	33,25	C
ATM 1307 C2	0 A1110	328,358 44,274	1,297	1,00	33,25	C
ATM 1308 C2	0 A1110	329,250 43,141	1,296	1,00	33,25	C
ATM 1309 C2	0 A1110	330,143 42,008	1,295	1,00	33,25	C
ATM 1310 C2	0 A1110	331,035 40,875	1,294	1,00	33,25	C
ATM 1311 C2	0 A1110	331,928 39,742	1,293	1,00	33,25	C
ATM 1312 C2	0 A1110	332,820 38,609	1,292	1,00	33,25	C
ATM 1313 C2	0 A1110	333,713 37,476	1,291	1,00	33,25	C
ATM 1314 C2	0 A1110	334,605 36,343	1,290	1,00	33,25	C
ATM 1315 C2	0 A1110	335,498 35,210	1,289	1,00	33,25	C
ATM 1316 C2	0 A1110	336,390 34,077	1,288	1,00	33,25	C
ATM 1317 C2	0 A1110	337,283 32,944	1,287	1,00	33,25	C
ATM 1318 C2	0 A1110	338,175 31,811	1,286	1,00	33,25	C
ATM 1319 C2	0 A1110	339,068 30,678	1,285	1,00	33,25	C
ATM 1320 C2	0 A1110	339,960 29,545	1,284	1,00	33,25	C
ATM 1321 C2	0 A1110	340,853 28,412	1,283	1,00	33,25	C
ATM 1322 C2	0 A1110	341,745 27,279	1,282	1,00	33,25	C
ATM 1323 C2	0 A1110	342,638 26,146	1,281	1,00	33,25	C
ATM 1324 C2	0 A1110	343,530 25,013	1,280	1,00	33,25	C
ATM 1325 C2	0 A1110	344,423 23,880	1,279	1,00	33,25	C
ATM 1326 C2	0 A1110	345,315 22,747	1,278	1,00	33,25	C
ATM 1327 C2	0 A1110	346,208 21,614	1,277	1,00	33,25	C
ATM 1328 C2	0 A1110	347,100 20,481	1,276	1,00	33,25	C
ATM 1329 C2	0 A1110	347,993 19,348	1,275	1,00	33,25	C
ATM 1330 C2	0 A1110	348,885 18,215	1,274	1,00	33,25	C
ATM 1331 C2	0 A1110	349,778 17,082	1,273	1,00	33,25	C
ATM 1332 C2	0 A1110	350,670 15,949	1,272	1,00	33,25	C
ATM 1333 C2	0 A1110	351,563 14,816	1,271	1,00	33,25	C
ATM 1334 C2	0 A1110	352,455 13,683	1,270	1,00	33,25	C
ATM 1335 C2	0 A1110	353,348 12,550	1,269	1,00	33,25	C
ATM 1336 C2	0 A1110	354,240 11,417	1,268	1,00	33,25	C
ATM 1337 C2	0 A1110	355,133 10,284	1,267	1,00	33,25	C
ATM 1338 C2	0 A1110	356,025 9,151	1,266	1,00	33,25	C
ATM 1339 C2	0 A1110	356,918 8,018	1,265	1,00	33,25	C
ATM 1340 C2	0 A1110	357,810 6,885	1,264	1,00	33,25	C
ATM 1341 C2	0 A1110	358,703 5,752	1,263	1,00	33,25	C
ATM 1342 C2	0 A1110	359,595 4,619	1,262	1,00	33,25	C
ATM 1343 C2	0 A1110	360,488 3,486	1,261	1,00	33,25	C
ATM 1344 C2	0 A1110	361,380 2,353	1,260	1,00	33,25	C
ATM 1345 C2	0 A1110	362,273 1,220	1,259	1,00	33,25	C
ATM 1346 C2	0 A1110	363,165 0,087	1,258	1,00	33,25	C
ATM 1347 C2	0 A1110	364,058 -0,046	1,257	1,00	33,25	C
ATM 1348 C2	0 A1110	364,950 -0,179	1,256	1,00	33,25	C
ATM 1349 C2	0 A1110	365,843 -0,312	1,255	1,00	33,25	C
ATM 1350 C2	0 A1110	366,735 -0,445	1,254	1,00	33,25	C
ATM 1351 C2	0 A1110	36				

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ATPC	25346	C	A1300	215,320	110,742	22,093	1,00	34,79	C	ATPC	25451	DE	C	A1200	243,060	100,032	27,091	1,00	76,76	B
ATPC	25347	DE	A1300	215,310	110,730	21,331	1,00	35,21	C	ATPC	25452	DE	C	A1200	243,050	100,020	27,080	1,00	76,75	B
ATPC	25348	C	A1300	214,134	110,791	22,034	1,00	35,17	C	ATPC	25453	DE	C	A1200	240,772	102,790	26,093	1,00	72,24	C
ATPC	25349	C	A1300	210,263	110,770	24,190	1,00	34,47	C	ATPC	25454	DE	C	A1200	240,761	100,001	26,084	1,00	72,10	C
ATPC	25350	C	A1300	213,790	111,157	21,230	1,00	35,19	C	ATPC	25455	DE	C	A1200	240,750	100,000	26,075	1,00	71,93	C
ATPC	25351	DE	A1300	214,071	111,150	24,149	1,00	34,49	C	ATPC	25456	DE	C	A1200	240,739	101,737	26,173	1,00	73,53	C
ATPC	25352	DE	A1300	214,060	110,720	22,090	1,00	34,49	C	ATPC	25457	DE	C	A1200	240,728	100,020	26,167	1,00	73,50	C
ATPC	25353	DE	A1300	213,723	111,047	20,111	1,00	35,22	C	ATPC	25458	DE	C	A1200	240,717	99,949	26,161	1,00	73,48	C
ATPC	25354	DE	A1300	213,712	110,712	19,130	1,00	35,25	C	ATPC	25459	DE	C	A1200	240,706	99,940	26,152	1,00	73,46	C
ATPC	25355	DE	A1300	213,701	110,701	18,149	1,00	35,28	C	ATPC	25460	DE	C	A1200	240,695	99,931	26,143	1,00	73,44	C
ATPC	25356	DE	A1300	213,690	110,690	17,168	1,00	35,31	C	ATPC	25461	DE	C	A1200	240,684	99,922	26,134	1,00	73,42	C
ATPC	25357	DE	A1300	213,679	110,679	16,187	1,00	35,34	C	ATPC	25462	DE	C	A1200	240,673	99,913	26,125	1,00	73,40	C
ATPC	25358	DE	A1300	213,668	110,668	15,206	1,00	35,37	C	ATPC	25463	DE	C	A1200	240,662	99,904	26,116	1,00	73,38	C
ATPC	25359	DE	A1300	213,657	110,657	14,225	1,00	35,40	C	ATPC	25464	DE	C	A1200	240,651	99,895	26,107	1,00	73,36	C
ATPC	25360	DE	A1300	213,646	110,646	13,244	1,00	35,43	C	ATPC	25465	DE	C	A1200	240,640	99,886	26,098	1,00	73,34	C
ATPC	25361	DE	A1300	213,635	110,635	12,263	1,00	35,46	C	ATPC	25466	DE	C	A1200	240,629	99,877	26,089	1,00	73,32	C
ATPC	25362	DE	A1300	213,624	110,624	11,282	1,00	35,49	C	ATPC	25467	DE	C	A1200	240,618	99,868	26,080	1,00	73,30	C
ATPC	25363	DE	A1300	213,613	110,613	10,301	1,00	35,52	C	ATPC	25468	DE	C	A1200	240,607	99,859	26,071	1,00	73,28	C
ATPC	25364	DE	A1300	213,602	110,602	9,320	1,00	35,55	C	ATPC	25469	DE	C	A1200	240,596	99,850	26,062	1,00	73,26	C
ATPC	25365	DE	A1300	213,591	110,591	8,339	1,00	35,58	C	ATPC	25470	DE	C	A1200	240,585	99,841	26,053	1,00	73,24	C
ATPC	25366	DE	A1300	213,580	110,580	7,358	1,00	35,61	C	ATPC	25471	DE	C	A1200	240,574	99,832	26,044	1,00	73,22	C
ATPC	25367	DE	A1300	213,569	110,569	6,377	1,00	35,64	C	ATPC	25472	DE	C	A1200	240,563	99,823	26,035	1,00	73,20	C
ATPC	25368	DE	A1300	213,558	110,558	5,396	1,00	35,67	C	ATPC	25473	DE	C	A1200	240,552	99,814	26,026	1,00	73,18	C
ATPC	25369	DE	A1300	213,547	110,547	4,415	1,00	35,70	C	ATPC	25474	DE	C	A1200	240,541	99,805	26,017	1,00	73,16	C
ATPC	25370	DE	A1300	213,536	110,536	3,434	1,00	35,73	C	ATPC	25475	DE	C	A1200	240,530	99,796	26,008	1,00	73,14	C
ATPC	25371	DE	A1300	213,525	110,525	2,453	1,00	35,76	C	ATPC	25476	DE	C	A1200	240,519	99,787	25,999	1,00	73,12	C
ATPC	25372	DE	A1300	213,514	110,514	1,472	1,00	35,79	C	ATPC	25477	DE	C	A1200	240,508	99,778	25,990	1,00	73,10	C
ATPC	25373	DE	A1300	213,503	110,503	46,190	1,00	35,82	C	ATPC	25478	DE	C	A1200	240,497	99,769	25,981	1,00	73,08	C
ATPC	25374	DE	A1300	213,492	110,492	36,190	1,00	35,85	C	ATPC	25479	DE	C	A1200	240,486	99,760	25,972	1,00	73,06	C
ATPC	25375	DE	A1300	213,481	110,481	26,190	1,00	35,88	C	ATPC	25480	DE	C	A1200	240,475	99,751	25,963	1,00	73,04	C
ATPC	25376	DE	A1300	213,470	110,470	16,190	1,00	35,91	C	ATPC	25481	DE	C	A1200	240,464	99,742	25,954	1,00	73,02	C
ATPC	25377	DE	A1300	213,459	110,459	6,190	1,00	35,94	C	ATPC	25482	DE	C	A1200	240,453	99,733	25,945	1,00	73,00	C
ATPC	25378	DE	A1300	213,448	110,448	1,190	1,00	35,97	C	ATPC	25483	DE	C	A1200	240,442	99,724	25,936	1,00	72,98	C
ATPC	25379	DE	A1300	213,437	110,437	1,190	1,00	35,99	C	ATPC	25484	DE	C	A1200	240,431	99,715	25,927	1,00	72,96	C
ATPC	25380	DE	A1300	213,426	110,426	1,190	1,00	36,02	C	ATPC	25485	DE	C	A1200	240,420	99,706	25,918	1,00	72,94	C
ATPC	25381	DE	A1300	213,415	110,415	1,190	1,00	36,05	C	ATPC	25486	DE	C	A1200	240,409	99,697	25,909	1,00	72,92	C
ATPC	25382	DE	A1300	213,404	110,404	1,190	1,00	36,08	C	ATPC	25487	DE	C	A1200	240,398	99,688	25,900	1,00	72,90	C
ATPC	25383	DE	A1300	213,393	110,393	1,190	1,00	36,11	C	ATPC	25488	DE	C	A1200	240,387	99,679	25,891	1,00	72,88	C
ATPC	25384	DE	A1300	213,382	110,382	1,190	1,00	36,14	C	ATPC	25489	DE	C	A1200	240,376	99,670	25,882	1,00	72,86	C
ATPC	25385	DE	A1300	213,371	110,371	1,190	1,00	36,17	C	ATPC	25490	DE	C	A1200	240,365	99,661	25,873	1,00	72,84	C
ATPC	25386	DE	A1300	213,360	110,360	1,190	1,00	36,20	C	ATPC	25491	DE	C	A1200	240,354	99,652	25,864	1,00	72,82	C
ATPC	25387	DE	A1300	213,349	110,349	1,190	1,00	36,23	C	ATPC	25492	DE	C	A1200	240,343	99,643	25,855	1,00	72,80	C
ATPC	25388	DE	A1300	213,338	110,338	1,190	1,00	36,26	C	ATPC	25493	DE	C	A1200	240,332	99,634	25,846	1,00	72,78	C
ATPC	25389	DE	A1300	213,327	110,327	1,190	1,00	36,29	C	ATPC	25494	DE	C	A1200	240,321	99,625	25,837	1,00	72,76	C
ATPC	25390	DE	A1300	213,316	110,316	1,190	1,00	36,32	C	ATPC	25495	DE	C	A1200	240,310	99,616	25,828	1,00	72,74	C
ATPC	25391	DE	A1300	213,305	110,305	1,190	1,00	36,35	C	ATPC	25496	DE	C	A1200	240,299	99,607	25,819	1,00	72,72	C
ATPC	25392	DE	A1300	213,294	110,294	1,190	1,00	36,38	C	ATPC	25497	DE	C	A1200	240,288	99,598	25,810	1,00	72,70	C
ATPC	25393	DE	A1300	213,283	110,283	1,190	1,00	36,41	C	ATPC	25498	DE	C	A1200	240,277	99,589	25,801	1,00	72,68	C
ATPC	25394	DE	A1300	213,272	110,272	1,190	1,00	36,44	C	ATPC	25499	DE	C	A1200	240,266	99,580	25,792	1,00	72,66	C
ATPC	25395	DE	A1300	213,261	110,261	1,190	1,00	36,47	C	ATPC	25500	DE	C	A1200	240,255	99,571	25,783	1,00	72,64	C
ATPC	25396	DE	A1300	213,250	110,250	1,190	1,00	36,50	C	ATPC	25501	DE	C	A1200	240,244	99,562	25,774	1,00	72,62	C
ATPC	25397	DE	A1300	213,239	110,239	1,190	1,00	36,53	C	ATPC	25502	DE	C	A1200	240,233	99,553	25,765	1,00	72,60	C
ATPC	25398	DE	A1300	213,228	110,228	1,190	1,00	36,56	C	ATPC	25503	DE	C	A1200	240,222	99,544	25,756	1,00	72,58	C
ATPC	25399	DE	A1300	213,217	110,217	1,190	1,00	36,59	C	ATPC	25504	DE	C	A1200	240,211	99,535	25,747	1,00	72,56	C
ATPC	25400	DE	A1300	213,206	110,206	1,190	1,00	36,62	C	ATPC	25505	DE	C	A1200	240,200	99,526	25,738	1,00	72,54	C
ATPC	25401	DE	A1300	213,195	110,195	1,190	1,00	36,65	C	ATPC	25506	DE	C	A1200	240,189	99,517	25,729	1,00	72,52	C
ATPC	25402	DE	A1300	213,184	110,184	1,190	1,00	36,68	C	ATPC	25507	DE	C	A1200	240,178	99,508	25,720	1,00	72,50	C
ATPC	25403	DE	A1300	213,173	110,173	1,190	1,00	36,71	C	ATPC	25508	DE	C	A1200	240,167	99,499	25,711	1,00	72,48	C
ATPC	25404	DE	A1300	213,162	110,162	1,190	1,00	36,74	C	ATPC	25509	DE	C	A1200	240,156	99,490	25,702	1,00	72,46	C
ATPC	25405	DE	A1300	213,151	110,151	1,190	1,00	36,77	C	ATPC	25510	DE	C	A1200	240,145	99,481	25,693	1,00	72,44	C
ATPC	25406	DE	A1300	213,140	110,140	1,190	1,00	36,80	C	ATPC	25511	DE	C	A1200	240,134	99,472	25,684	1,00	72,42	C
ATPC	25407	DE	A1300	213,129	110,129	1,190	1,00	36,83	C	ATPC	25512	DE	C	A1200	240,123	99,463	25,675	1,00	72,40	C
ATPC	25408	DE	A1300	213,118	110,118	1,190	1,00	36,86	C	ATPC	25513	DE	C	A1200	240,112	99,454	25,666	1,00	72,38	C
ATPC	25409	DE	A1300	213,107	110,107	1,190	1,00	36,89	C	ATPC	25514	DE	C	A1200	240,101	99,445	25,657	1,00	72,36	C
ATPC	25410	DE	A1300	213,096	110,096	1,190	1,00	36,92												

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ATM 16972	001	A	16972	124,407 740,358	23,890	1,00179,79	E
ATM 16973	002	A	16973	93,144 617,617	17,281	1,00119,79	E
ATM 16974	003	A	16974	100,203 740,649	18,170	1,00119,79	E
ATM 16975	004	A	16975	130,913 740,263	22,189	1,00119,79	E
ATM 16976	005	A	16976	127,331 739,774	20,931	1,00119,79	E
ATM 16977	006	A	16977	126,413 740,000	21,736	1,00119,79	E
ATM 16978	007	A	16978	136,964 739,252	21,736	1,00119,79	E
ATM 16979	008	A	16979	126,413 737,954	21,736	1,00119,79	E
ATM 16980	009	A	16980	127,754 740,000	22,349	1,00119,79	E
ATM 16981	010	A	16981	128,049 739,999	22,349	1,00119,79	E
ATM 16982	011	A	16982	128,700 740,001	22,349	1,00119,79	E
ATM 16983	012	A	16983	129,351 740,000	22,349	1,00119,79	E
ATM 16984	013	A	16984	130,002 740,000	22,349	1,00119,79	E
ATM 16985	014	A	16985	130,653 740,000	22,349	1,00119,79	E
ATM 16986	015	A	16986	131,304 740,000	22,349	1,00119,79	E
ATM 16987	016	A	16987	131,955 740,000	22,349	1,00119,79	E
ATM 16988	017	A	16988	132,606 740,000	22,349	1,00119,79	E
ATM 16989	018	A	16989	133,257 740,000	22,349	1,00119,79	E
ATM 16990	019	A	16990	133,908 740,000	22,349	1,00119,79	E
ATM 16991	020	A	16991	134,559 740,000	22,349	1,00119,79	E
ATM 16992	021	A	16992	135,210 740,000	22,349	1,00119,79	E
ATM 16993	022	A	16993	135,861 740,000	22,349	1,00119,79	E
ATM 16994	023	A	16994	136,512 740,000	22,349	1,00119,79	E
ATM 16995	024	A	16995	137,163 740,000	22,349	1,00119,79	E
ATM 16996	025	A	16996	137,814 740,000	22,349	1,00119,79	E
ATM 16997	026	A	16997	138,465 740,000	22,349	1,00119,79	E
ATM 16998	027	A	16998	139,116 740,000	22,349	1,00119,79	E
ATM 16999	028	A	16999	139,767 740,000	22,349	1,00119,79	E
ATM 17000	029	A	17000	140,418 740,000	22,349	1,00119,79	E
ATM 17001	030	A	17001	141,069 740,000	22,349	1,00119,79	E
ATM 17002	031	A	17002	141,720 740,000	22,349	1,00119,79	E
ATM 17003	032	A	17003	142,371 740,000	22,349	1,00119,79	E
ATM 17004	033	A	17004	143,022 740,000	22,349	1,00119,79	E
ATM 17005	034	A	17005	143,673 740,000	22,349	1,00119,79	E
ATM 17006	035	A	17006	144,324 740,000	22,349	1,00119,79	E
ATM 17007	036	A	17007	144,975 740,000	22,349	1,00119,79	E
ATM 17008	037	A	17008	145,626 740,000	22,349	1,00119,79	E
ATM 17009	038	A	17009	146,277 740,000	22,349	1,00119,79	E
ATM 17010	039	A	17010	146,928 740,000	22,349	1,00119,79	E
ATM 17011	040	A	17011	147,579 740,000	22,349	1,00119,79	E
ATM 17012	041	A	17012	148,230 740,000	22,349	1,00119,79	E
ATM 17013	042	A	17013	148,881 740,000	22,349	1,00119,79	E
ATM 17014	043	A	17014	149,532 740,000	22,349	1,00119,79	E
ATM 17015	044	A	17015	150,183 740,000	22,349	1,00119,79	E
ATM 17016	045	A	17016	150,834 740,000	22,349	1,00119,79	E
ATM 17017	046	A	17017	151,485 740,000	22,349	1,00119,79	E
ATM 17018	047	A	17018	152,136 740,000	22,349	1,00119,79	E
ATM 17019	048	A	17019	152,787 740,000	22,349	1,00119,79	E
ATM 17020	049	A	17020	153,438 740,000	22,349	1,00119,79	E
ATM 17021	050	A	17021	154,089 740,000	22,349	1,00119,79	E
ATM 17022	051	A	17022	154,740 740,000	22,349	1,00119,79	E
ATM 17023	052	A	17023	155,391 740,000	22,349	1,00119,79	E
ATM 17024	053	A	17024	156,042 740,000	22,349	1,00119,79	E
ATM 17025	054	A	17025	156,693 740,000	22,349	1,00119,79	E
ATM 17026	055	A	17026	157,344 740,000	22,349	1,00119,79	E
ATM 17027	056	A	17027	157,995 740,000	22,349	1,00119,79	E
ATM 17028	057	A	17028	158,646 740,000	22,349	1,00119,79	E
ATM 17029	058	A	17029	159,297 740,000	22,349	1,00119,79	E
ATM 17030	059	A	17030	160,000 740,000	22,349	1,00119,79	E
ATM 17031	060	A	17031	160,651 740,000	22,349	1,00119,79	E
ATM 17032	061	A	17032	161,302 740,000	22,349	1,00119,79	E
ATM 17033	062	A	17033	161,953 740,000	22,349	1,00119,79	E
ATM 17034	063	A	17034	162,604 740,000	22,349	1,00119,79	E
ATM 17035	064	A	17035	163,255 740,000	22,349	1,00119,79	E
ATM 17036	065	A	17036	163,906 740,000	22,349	1,00119,79	E
ATM 17037	066	A	17037	164,557 740,000	22,349	1,00119,79	E
ATM 17038	067	A	17038	165,208 740,000	22,349	1,00119,79	E
ATM 17039	068	A	17039	165,859 740,000	22,349	1,00119,79	E
ATM 17040	069	A	17040	166,510 740,000	22,349	1,00119,79	E
ATM 17041	070	A	17041	167,161 740,000	22,349	1,00119,79	E
ATM 17042	071	A	17042	167,812 740,000	22,349	1,00119,79	E
ATM 17043	072	A	17043	168,463 740,000	22,349	1,00119,79	E
ATM 17044	073	A	17044	169,114 740,000	22,349	1,00119,79	E
ATM 17045	074	A	17045	169,765 740,000	22,349	1,00119,79	E
ATM 17046	075	A	17046	170,416 740,000	22,349	1,00119,79	E
ATM 17047	076	A	17047	171,067 740,000	22,349	1,00119,79	E
ATM 17048	077	A	17048	171,718 740,000	22,349	1,00119,79	E
ATM 17049	078	A	17049	172,369 740,000	22,349	1,00119,79	E
ATM 17050	079	A	17050	173,020 740,000	22,349	1,00119,79	E
ATM 17051	080	A	17051	173,671 740,000	22,349	1,00119,79	E
ATM 17052	081	A	17052	174,322 740,000	22,349	1,00119,79	E
ATM 17053	082	A	17053	174,973 740,000	22,349	1,00119,79	E
ATM 17054	083	A	17054	175,624 740,000	22,349	1,00119,79	E
ATM 17055	084	A	17055	176,275 740,000	22,349	1,00119,79	E
ATM 17056	085	A	17056	176,926 740,000	22,349	1,00119,79	E
ATM 17057	086	A	17057	177,577 740,000	22,349	1,00119,79	E
ATM 17058	087	A	17058	178,228 740,000	22,349	1,00119,79	E
ATM 17059	088	A	17059	178,879 740,000	22,349	1,00119,79	E
ATM 17060	089	A	17060	179,530 740,000	22,349	1,00119,79	E
ATM 17061	090	A	17061	180,181 740,000	22,349	1,00119,79	E
ATM 17062	091	A	17062	180,832 740,000	22,349	1,00119,79	E
ATM 17063	092	A	17063	181,483 740,000	22,349	1,00119,79	E
ATM 17064	093	A	17064	182,134 740,000	22,349	1,00119,79	E
ATM 17065	094	A	17065	182,785 740,000	22,349	1,00119,79	E
ATM 17066	095	A	17066	183,436 740,000	22,349	1,00119,79	E
ATM 17067	096	A	17067	184,087 740,000	22,349	1,00119,79	E
ATM 17068	097	A	17068	184,738 740,000	22,349	1,00119,79	E
ATM 17069	098	A	17069	185,389 740,000	22,349	1,00119,79	E
ATM 17070	099	A	17070	186,040 740,000	22,349	1,00119,79	E
ATM 17071	100	A	17071	186,691 740,000	22,349	1,00119,79	E
ATM 17072	101	A	17072	187,342 740,000	22,349	1,00119,79	E
ATM 17073	102	A	17073	187,993 740,000	22,349	1,00119,79	E
ATM 17074	103	A	17074	188,644 740,000	22,349	1,00119,79	E
ATM 17075	104	A	17075	189,295 740,000	22,349	1,00119,79	E
ATM 17076	105	A	17076	189,946 740,000	22,349	1,00119,79	E
ATM 17077	106	A	17077	190,597 740,000	22,349	1,00119,79	E
ATM 17078	107	A	17078	191,248 740,000	22,349	1,00119,79	E
ATM 17079	108	A	17079	191,899 740,000	22,349	1,00119,79	E
ATM 17080	109	A	17080	192,550 740,000	22,349	1,00119,79	E
ATM 17081	110	A	17081	193,201 740,000	22,349	1,00119,79	E
ATM 17082	111	A	17082	193,852 740,000	22,349	1,00119,79	E
ATM 17083	112	A	17083	194,503 740,000	22,349	1,00119,79	E
ATM 17084	113	A	17084	195,154 740,000	22,349	1,00119,79	E
ATM 17085	114	A	17085	195,805 740,000	22,349	1,00119,79	E
ATM 17086	115	A	17086	196,456 740,000	22,349	1,00119,79	E
ATM 17087	116	A	17087	197,107 740,000	22,349	1,00119,79	E
ATM 17088	117	A	17088	197,758 740,000	22,349	1,00119,79	E
ATM 17089	118	A	17089	198,409 740,000	22,349	1,00119,79	E
ATM 17090	119	A	17090	199,060 740,000	22,349	1,00119,79	E
ATM 17091	120	A	17091	199,711 740,000	22,349	1,00119,79	E
ATM 17092	121	A	17092	200,362 740,000	22,349	1,00119,79	E
ATM 17093	122	A	17093	201,013 740,000	22,349	1,00119,79	E
ATM 17094	123	A	17094	201,664 740,000	22,349	1,00119,79	E
ATM 17095	124	A	17095	202,315 740,000	22,349	1,00119,79	E
ATM 17096	125	A	17096	202,966 740,000	22,349	1,00119,79	E
ATM 17097	126	A	17097	203,617 740,000	22,349	1,00119,79	E
ATM 17098	127	A	17098	204,268 740,000	22,349	1,00119,79	E
ATM 17099	128	A	17099	204,919 740,000	22,349	1,00119,79	E
ATM 17100	129	A	17100	205,570 740,000	22,349	1,00119,79	E
ATM 17101	130	A	17101	206,221 740,000	22,349	1,00119,79	E
ATM 17102	131	A	17102	206,872 740,000	22,349	1,00119,79	E
ATM 17103	132	A	17103	207,523 740,000	22,349	1,00119,79	E
ATM 17104	133	A	17104	208,174 740,000	22,349	1,00119,79	E
ATM 17105	134	A	17105				

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ATM 7000 C4	C A1363A	130,250 121,210	10,720 1,000 67,03	C	ATM 7002 Y7	C A1364	130,250 121,210	10,720 1,000 67,03	C
ATM 7001 C4	C A1363A	131,170 121,090	10,790 1,000 64,01	C	ATM 7003 C5	C A1364	131,170 121,090	10,790 1,000 64,01	C
ATM 7002 C5	C A1363A	132,090 121,010	10,860 1,000 61,01	C	ATM 7004 C6	C A1364	132,090 121,010	10,860 1,000 61,01	C
ATM 7003 C6	C A1363A	133,010 120,930	10,930 1,000 58,01	C	ATM 7005 C7	C A1364	133,010 120,930	10,930 1,000 58,01	C
ATM 7004 C7	C A1363A	133,930 120,850	11,000 1,000 55,01	C	ATM 7006 C8	C A1364	133,930 120,850	11,000 1,000 55,01	C
ATM 7005 C8	C A1363A	134,850 120,770	11,070 1,000 52,01	C	ATM 7007 C9	C A1364	134,850 120,770	11,070 1,000 52,01	C
ATM 7006 C9	C A1363A	135,770 120,690	11,140 1,000 49,01	C	ATM 7008 C10	C A1364	135,770 120,690	11,140 1,000 49,01	C
ATM 7007 C10	C A1363A	136,690 120,610	11,210 1,000 46,01	C	ATM 7009 C11	C A1364	136,690 120,610	11,210 1,000 46,01	C
ATM 7008 C11	C A1363A	137,610 120,530	11,280 1,000 43,01	C	ATM 7010 C12	C A1364	137,610 120,530	11,280 1,000 43,01	C
ATM 7009 C12	C A1363A	138,530 120,450	11,350 1,000 40,01	C	ATM 7011 C13	C A1364	138,530 120,450	11,350 1,000 40,01	C
ATM 7010 C13	C A1363A	139,450 120,370	11,420 1,000 37,01	C	ATM 7012 C14	C A1364	139,450 120,370	11,420 1,000 37,01	C
ATM 7011 C14	C A1363A	140,370 120,290	11,490 1,000 34,01	C	ATM 7013 C15	C A1364	140,370 120,290	11,490 1,000 34,01	C
ATM 7012 C15	C A1363A	141,290 120,210	11,560 1,000 31,01	C	ATM 7014 C16	C A1364	141,290 120,210	11,560 1,000 31,01	C
ATM 7013 C16	C A1363A	142,210 120,130	11,630 1,000 28,01	C	ATM 7015 C17	C A1364	142,210 120,130	11,630 1,000 28,01	C
ATM 7014 C17	C A1363A	143,130 120,050	11,700 1,000 25,01	C	ATM 7016 C18	C A1364	143,130 120,050	11,700 1,000 25,01	C
ATM 7015 C18	C A1363A	144,050 119,970	11,770 1,000 22,01	C	ATM 7017 C19	C A1364	144,050 119,970	11,770 1,000 22,01	C
ATM 7016 C19	C A1363A	144,970 119,890	11,840 1,000 19,01	C	ATM 7018 C20	C A1364	144,970 119,890	11,840 1,000 19,01	C
ATM 7017 C20	C A1363A	145,890 119,810	11,910 1,000 16,01	C	ATM 7019 C21	C A1364	145,890 119,810	11,910 1,000 16,01	C
ATM 7018 C21	C A1363A	146,810 119,730	11,980 1,000 13,01	C	ATM 7020 C22	C A1364	146,810 119,730	11,980 1,000 13,01	C
ATM 7019 C22	C A1363A	147,730 119,650	12,050 1,000 10,01	C	ATM 7021 C23	C A1364	147,730 119,650	12,050 1,000 10,01	C
ATM 7020 C23	C A1363A	148,650 119,570	12,120 1,000 7,01	C	ATM 7022 C24	C A1364	148,650 119,570	12,120 1,000 7,01	C
ATM 7021 C24	C A1363A	149,570 119,490	12,190 1,000 4,01	C	ATM 7023 C25	C A1364	149,570 119,490	12,190 1,000 4,01	C
ATM 7022 C25	C A1363A	150,490 119,410	12,260 1,000 1,01	C	ATM 7024 C26	C A1364	150,490 119,410	12,260 1,000 1,01	C
ATM 7023 C26	C A1363A	151,410 119,330	12,330 1,000 0,01	C	ATM 7025 C27	C A1364	151,410 119,330	12,330 1,000 0,01	C
ATM 7024 C27	C A1363A	152,330 119,250	12,400 1,000 0,01	C	ATM 7026 C28	C A1364	152,330 119,250	12,400 1,000 0,01	C
ATM 7025 C28	C A1363A	153,250 119,170	12,470 1,000 0,01	C	ATM 7027 C29	C A1364	153,250 119,170	12,470 1,000 0,01	C
ATM 7026 C29	C A1363A	154,170 119,090	12,540 1,000 0,01	C	ATM 7028 C30	C A1364	154,170 119,090	12,540 1,000 0,01	C
ATM 7027 C30	C A1363A	155,090 119,010	12,610 1,000 0,01	C	ATM 7029 C31	C A1364	155,090 119,010	12,610 1,000 0,01	C
ATM 7028 C31	C A1363A	156,010 118,930	12,680 1,000 0,01	C	ATM 7030 C32	C A1364	156,010 118,930	12,680 1,000 0,01	C
ATM 7029 C32	C A1363A	156,930 118,850	12,750 1,000 0,01	C	ATM 7031 C33	C A1364	156,930 118,850	12,750 1,000 0,01	C
ATM 7030 C33	C A1363A	157,850 118,770	12,820 1,000 0,01	C	ATM 7032 C34	C A1364	157,850 118,770	12,820 1,000 0,01	C
ATM 7031 C34	C A1363A	158,770 118,690	12,890 1,000 0,01	C	ATM 7033 C35	C A1364	158,770 118,690	12,890 1,000 0,01	C
ATM 7032 C35	C A1363A	159,690 118,610	12,960 1,000 0,01	C	ATM 7034 C36	C A1364	159,690 118,610	12,960 1,000 0,01	C
ATM 7033 C36	C A1363A	160,610 118,530	13,030 1,000 0,01	C	ATM 7035 C37	C A1364	160,610 118,530	13,030 1,000 0,01	C
ATM 7034 C37	C A1363A	161,530 118,450	13,100 1,000 0,01	C	ATM 7036 C38	C A1364	161,530 118,450	13,100 1,000 0,01	C
ATM 7035 C38	C A1363A	162,450 118,370	13,170 1,000 0,01	C	ATM 7037 C39	C A1364	162,450 118,370	13,170 1,000 0,01	C
ATM 7036 C39	C A1363A	163,370 118,290	13,240 1,000 0,01	C	ATM 7038 C40	C A1364	163,370 118,290	13,240 1,000 0,01	C
ATM 7037 C40	C A1363A	164,290 118,210	13,310 1,000 0,01	C	ATM 7039 C41	C A1364	164,290 118,210	13,310 1,000 0,01	C
ATM 7038 C41	C A1363A	165,210 118,130	13,380 1,000 0,01	C	ATM 7040 C42	C A1364	165,210 118,130	13,380 1,000 0,01	C
ATM 7039 C42	C A1363A	166,130 118,050	13,450 1,000 0,01	C	ATM 7041 C43	C A1364	166,130 118,050	13,450 1,000 0,01	C
ATM 7040 C43	C A1363A	167,050 117,970	13,520 1,000 0,01	C	ATM 7042 C44	C A1364	167,050 117,970	13,520 1,000 0,01	C
ATM 7041 C44	C A1363A	167,970 117,890	13,590 1,000 0,01	C	ATM 7043 C45	C A1364	167,970 117,890	13,590 1,000 0,01	C
ATM 7042 C45	C A1363A	168,890 117,810	13,660 1,000 0,01	C	ATM 7044 C46	C A1364	168,890 117,810	13,660 1,000 0,01	C
ATM 7043 C46	C A1363A	169,810 117,730	13,730 1,000 0,01	C	ATM 7045 C47	C A1364	169,810 117,730	13,730 1,000 0,01	C
ATM 7044 C47	C A1363A	170,730 117,650	13,800 1,000 0,01	C	ATM 7046 C48	C A1364	170,730 117,650	13,800 1,000 0,01	C
ATM 7045 C48	C A1363A	171,650 117,570	13,870 1,000 0,01	C	ATM 7047 C49	C A1364	171,650 117,570	13,870 1,000 0,01	C
ATM 7046 C49	C A1363A	172,570 117,490	13,940 1,000 0,01	C	ATM 7048 C50	C A1364	172,570 117,490	13,940 1,000 0,01	C
ATM 7047 C50	C A1363A	173,490 117,410	14,010 1,000 0,01	C	ATM 7049 C51	C A1364	173,490 117,410	14,010 1,000 0,01	C
ATM 7048 C51	C A1363A	174,410 117,330	14,080 1,000 0,01	C	ATM 7050 C52	C A1364	174,410 117,330	14,080 1,000 0,01	C
ATM 7049 C52	C A1363A	175,330 117,250	14,150 1,000 0,01	C	ATM 7051 C53	C A1364	175,330 117,250	14,150 1,000 0,01	C
ATM 7050 C53	C A1363A	176,250 117,170	14,220 1,000 0,01	C	ATM 7052 C54	C A1364	176,250 117,170	14,220 1,000 0,01	C
ATM 7051 C54	C A1363A	177,170 117,090	14,290 1,000 0,01	C	ATM 7053 C55	C A1364	177,170 117,090	14,290 1,000 0,01	C
ATM 7052 C55	C A1363A	178,090 117,010	14,360 1,000 0,01	C	ATM 7054 C56	C A1364	178,090 117,010	14,360 1,000 0,01	C
ATM 7053 C56	C A1363A	179,010 116,930	14,430 1,000 0,01	C	ATM 7055 C57	C A1364	179,010 116,930	14,430 1,000 0,01	C
ATM 7054 C57	C A1363A	179,930 116,850	14,500 1,000 0,01	C	ATM 7056 C58	C A1364	179,930 116,850	14,500 1,000 0,01	C
ATM 7055 C58	C A1363A	180,850 116,770	14,570 1,000 0,01	C	ATM 7057 C59	C A1364	180,850 116,770	14,570 1,000 0,01	C
ATM 7056 C59	C A1363A	181,770 116,690	14,640 1,000 0,01	C	ATM 7058 C60	C A1364	181,770 116,690	14,640 1,000 0,01	C
ATM 7057 C60	C A1363A	182,690 116,610	14,710 1,000 0,01	C	ATM 7059 C61	C A1364	182,690 116,610	14,710 1,000 0,01	C
ATM 7058 C61	C A1363A	183,610 116,530	14,780 1,000 0,01	C	ATM 7060 C62	C A1364	183,610 116,530	14,780 1,000 0,01	C
ATM 7059 C62	C A1363A	184,530 116,450	14,850 1,000 0,01	C	ATM 7061 C63	C A1364	184,530 116,450	14,850 1,000 0,01	C
ATM 7060 C63	C A1363A	185,450 116,370	14,920 1,000 0,01	C	ATM 7062 C64	C A1364	185,450 116,370	14,920 1,000 0,01	C
ATM 7061 C64	C A1363A	186,370 116,290	14,990 1,000 0,01	C	ATM 7063 C65	C A1364	186,370 116,290	14,990 1,000 0,01	C
ATM 7062 C65	C A1363A	187,290 116,210	15,060 1,000 0,01	C	ATM 7064 C66	C A1364	187,290 116,210	15,060 1,000 0,01	C
ATM 7063 C66	C A1363A	188,210 116,130	15,130 1,000 0,01	C	ATM 7065 C67	C A1364	188,210 116,130	15,130 1,000 0,01	C
ATM 7064 C67	C A1363A	189,130 116,050	15,200 1,000 0,01	C	ATM 7066 C68	C A1364	189,130 116,050	15,200 1,000 0,01	C
ATM 7065 C68	C A1363A	190,050 115,970	15,270 1,000 0,01	C	ATM 7067 C69	C A1364	190,050 115,970	15,270 1,000 0,01	C
ATM 7066 C69	C A1363A	190,970 115,890	15,340 1,000 0,01	C	ATM 7068 C70	C A1364	190,970 115,890	15,340 1,000 0,01	C
ATM 7067 C70	C A1363A	191,890 115,810	15,410 1,000 0,01	C	ATM 7069 C71	C A1364	191,890 115,810	15,410 1,000 0,01	C
ATM 7068 C71	C A1363A	192,810 115,730	15,480 1,000 0,01	C	ATM 7070 C72	C A1364	192,810 115,730	15,480 1,000 0,01	C
ATM 7069 C72	C A1363A	193,730 115,650	15,550 1,000 0,01	C	ATM 7071 C73	C A1364	193,730 115,650	15,550 1,000 0,01	C
ATM 7070 C73	C A1363A	194,650 115,570	15,620 1,000 0,01	C	ATM 7072 C74	C A1364	194,650 115,570	15,620 1,000 0,01	C
ATM 7071 C74	C A1363A	195,570 115,490	15,690 1,000 0,01	C	ATM 7073 C75	C A1364	195,570 115,490	15,690 1,000 0,01	C
ATM 7072 C75	C A1363A	196,490 115,410	15,760 1,000 0,01	C	ATM 7074 C76	C A1364	196,490 115,410	15,760 1,000 0,01	C
ATM 7073 C76	C A1363A	197,410 115,330	15,830 1,000 0,01	C	ATM 7075 C77	C A1364	197,410 115,330	15,830 1,000 0,01	C
ATM 7074 C77	C A1363A	198,330 115,250	15,900 1,000 0,01	C	ATM 7076 C78	C A1364	198,330 115,250	15,900 1,000 0,01	C
ATM 7075 C78	C A1363A	199,250 115,170	15,970 1,000 0,01	C	ATM 7077 C79	C A1364	199,250 115,170	15,970 1,000 0,01	C
ATM 7076 C79	C A1363A	200,170 115,090	16,040 1,000 0,01	C	ATM 7078 C80	C A1364	200,170 115,090	16,040 1,000 0,01	C
ATM 7077 C80	C A1363A	201,090 115,010	16,110 1,000 0,01	C	ATM 7079 C81	C A1364	201,090 115,010	16,110 1,000 0,01	C
ATM 7078 C81	C A1363A	202,010 114,930	16,180 1,000 0,01	C	ATM 7080 C82	C A1364	202,010 114,930	16,180 1,000 0,01	C
ATM 7079 C82	C A1363A	202,930 114,850	16,250 1,000 0,01	C	ATM 7081 C83	C A1364	202,930 114,850	16,250 1,000 0,01	C
ATM 7080 C83	C A1363A	203,850 114,770	16,320 1,000 0,01	C	ATM 7082 C84	C A1364	203,850 114,770	16,320 1,000 0,01	C
ATM 7081 C84	C A1363A	204,770 114,690	16,390 1,000 0,01	C	ATM 7083 C85	C A13			

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ATM 23253 C2	C A1300	176,730	131,932	-19,798	1,00	34,73	C
ATM 23253 C2	C A1300	176,697	132,311	-19,614	1,00	34,73	C
ATM 23253 C2	C A1300	176,664	132,690	-19,426	1,00	34,73	C
ATM 23253 C2	C A1300	176,631	133,069	-19,238	1,00	34,73	C
ATM 23253 C2	C A1300	176,598	133,448	-19,050	1,00	34,73	C
ATM 23253 C2	C A1300	176,565	133,827	-18,862	1,00	34,73	C
ATM 23253 C2	C A1300	176,532	134,206	-18,674	1,00	34,73	C
ATM 23253 C2	C A1300	176,499	134,585	-18,486	1,00	34,73	C
ATM 23253 C2	C A1300	176,466	134,964	-18,298	1,00	34,73	C
ATM 23253 C2	C A1300	176,433	135,343	-18,110	1,00	34,73	C
ATM 23253 C2	C A1300	176,400	135,722	-17,922	1,00	34,73	C
ATM 23253 C2	C A1300	176,367	136,101	-17,734	1,00	34,73	C
ATM 23253 C2	C A1300	176,334	136,480	-17,546	1,00	34,73	C
ATM 23253 C2	C A1300	176,301	136,859	-17,358	1,00	34,73	C
ATM 23253 C2	C A1300	176,268	137,238	-17,170	1,00	34,73	C
ATM 23253 C2	C A1300	176,235	137,617	-16,982	1,00	34,73	C
ATM 23253 C2	C A1300	176,202	137,996	-16,794	1,00	34,73	C
ATM 23253 C2	C A1300	176,169	138,375	-16,606	1,00	34,73	C
ATM 23253 C2	C A1300	176,136	138,754	-16,418	1,00	34,73	C
ATM 23253 C2	C A1300	176,103	139,133	-16,230	1,00	34,73	C
ATM 23253 C2	C A1300	176,070	139,512	-16,042	1,00	34,73	C
ATM 23253 C2	C A1300	176,037	139,891	-15,854	1,00	34,73	C
ATM 23253 C2	C A1300	176,004	140,270	-15,666	1,00	34,73	C
ATM 23253 C2	C A1300	175,971	140,649	-15,478	1,00	34,73	C
ATM 23253 C2	C A1300	175,938	141,028	-15,290	1,00	34,73	C
ATM 23253 C2	C A1300	175,905	141,407	-15,102	1,00	34,73	C
ATM 23253 C2	C A1300	175,872	141,786	-14,914	1,00	34,73	C
ATM 23253 C2	C A1300	175,839	142,165	-14,726	1,00	34,73	C
ATM 23253 C2	C A1300	175,806	142,544	-14,538	1,00	34,73	C
ATM 23253 C2	C A1300	175,773	142,923	-14,350	1,00	34,73	C
ATM 23253 C2	C A1300	175,740	143,302	-14,162	1,00	34,73	C
ATM 23253 C2	C A1300	175,707	143,681	-13,974	1,00	34,73	C
ATM 23253 C2	C A1300	175,674	144,060	-13,786	1,00	34,73	C
ATM 23253 C2	C A1300	175,641	144,439	-13,598	1,00	34,73	C
ATM 23253 C2	C A1300	175,608	144,818	-13,410	1,00	34,73	C
ATM 23253 C2	C A1300	175,575	145,197	-13,222	1,00	34,73	C
ATM 23253 C2	C A1300	175,542	145,576	-13,034	1,00	34,73	C
ATM 23253 C2	C A1300	175,509	145,955	-12,846	1,00	34,73	C
ATM 23253 C2	C A1300	175,476	146,334	-12,658	1,00	34,73	C
ATM 23253 C2	C A1300	175,443	146,713	-12,470	1,00	34,73	C
ATM 23253 C2	C A1300	175,410	147,092	-12,282	1,00	34,73	C
ATM 23253 C2	C A1300	175,377	147,471	-12,094	1,00	34,73	C
ATM 23253 C2	C A1300	175,344	147,850	-11,906	1,00	34,73	C
ATM 23253 C2	C A1300	175,311	148,229	-11,718	1,00	34,73	C
ATM 23253 C2	C A1300	175,278	148,608	-11,530	1,00	34,73	C
ATM 23253 C2	C A1300	175,245	148,987	-11,342	1,00	34,73	C
ATM 23253 C2	C A1300	175,212	149,366	-11,154	1,00	34,73	C
ATM 23253 C2	C A1300	175,179	149,745	-10,966	1,00	34,73	C
ATM 23253 C2	C A1300	175,146	150,124	-10,778	1,00	34,73	C
ATM 23253 C2	C A1300	175,113	150,503	-10,590	1,00	34,73	C
ATM 23253 C2	C A1300	175,080	150,882	-10,402	1,00	34,73	C
ATM 23253 C2	C A1300	175,047	151,261	-10,214	1,00	34,73	C
ATM 23253 C2	C A1300	175,014	151,640	-10,026	1,00	34,73	C
ATM 23253 C2	C A1300	174,981	152,019	-9,838	1,00	34,73	C
ATM 23253 C2	C A1300	174,948	152,398	-9,650	1,00	34,73	C
ATM 23253 C2	C A1300	174,915	152,777	-9,462	1,00	34,73	C
ATM 23253 C2	C A1300	174,882	153,156	-9,274	1,00	34,73	C
ATM 23253 C2	C A1300	174,849	153,535	-9,086	1,00	34,73	C
ATM 23253 C2	C A1300	174,816	153,914	-8,898	1,00	34,73	C
ATM 23253 C2	C A1300	174,783	154,293	-8,710	1,00	34,73	C
ATM 23253 C2	C A1300	174,750	154,672	-8,522	1,00	34,73	C
ATM 23253 C2	C A1300	174,717	155,051	-8,334	1,00	34,73	C
ATM 23253 C2	C A1300	174,684	155,430	-8,146	1,00	34,73	C
ATM 23253 C2	C A1300	174,651	155,809	-7,958	1,00	34,73	C
ATM 23253 C2	C A1300	174,618	156,188	-7,770	1,00	34,73	C
ATM 23253 C2	C A1300	174,585	156,567	-7,582	1,00	34,73	C
ATM 23253 C2	C A1300	174,552	156,946	-7,394	1,00	34,73	C
ATM 23253 C2	C A1300	174,519	157,325	-7,206	1,00	34,73	C
ATM 23253 C2	C A1300	174,486	157,704	-7,018	1,00	34,73	C
ATM 23253 C2	C A1300	174,453	158,083	-6,830	1,00	34,73	C
ATM 23253 C2	C A1300	174,420	158,462	-6,642	1,00	34,73	C
ATM 23253 C2	C A1300	174,387	158,841	-6,454	1,00	34,73	C
ATM 23253 C2	C A1300	174,354	159,220	-6,266	1,00	34,73	C
ATM 23253 C2	C A1300	174,321	159,599	-6,078	1,00	34,73	C
ATM 23253 C2	C A1300	174,288	160,000	-5,890	1,00	34,73	C
ATM 23253 C2	C A1300	174,255	160,400	-5,702	1,00	34,73	C
ATM 23253 C2	C A1300	174,222	160,800	-5,514	1,00	34,73	C
ATM 23253 C2	C A1300	174,189	161,200	-5,326	1,00	34,73	C
ATM 23253 C2	C A1300	174,156	161,600	-5,138	1,00	34,73	C
ATM 23253 C2	C A1300	174,123	162,000	-4,950	1,00	34,73	C
ATM 23253 C2	C A1300	174,090	162,400	-4,762	1,00	34,73	C
ATM 23253 C2	C A1300	174,057	162,800	-4,574	1,00	34,73	C
ATM 23253 C2	C A1300	174,024	163,200	-4,386	1,00	34,73	C
ATM 23253 C2	C A1300	173,991	163,600	-4,198	1,00	34,73	C
ATM 23253 C2	C A1300	173,958	164,000	-4,010	1,00	34,73	C
ATM 23253 C2	C A1300	173,925	164,400	-3,822	1,00	34,73	C
ATM 23253 C2	C A1300	173,892	164,800	-3,634	1,00	34,73	C
ATM 23253 C2	C A1300	173,859	165,200	-3,446	1,00	34,73	C
ATM 23253 C2	C A1300	173,826	165,600	-3,258	1,00	34,73	C
ATM 23253 C2	C A1300	173,793	166,000	-3,070	1,00	34,73	C
ATM 23253 C2	C A1300	173,760	166,400	-2,882	1,00	34,73	C
ATM 23253 C2	C A1300	173,727	166,800	-2,694	1,00	34,73	C
ATM 23253 C2	C A1300	173,694	167,200	-2,506	1,00	34,73	C
ATM 23253 C2	C A1300	173,661	167,600	-2,318	1,00	34,73	C
ATM 23253 C2	C A1300	173,628	168,000	-2,130	1,00	34,73	C
ATM 23253 C2	C A1300	173,595	168,400	-1,942	1,00	34,73	C
ATM 23253 C2	C A1300	173,562	168,800	-1,754	1,00	34,73	C
ATM 23253 C2	C A1300	173,529	169,200	-1,566	1,00	34,73	C
ATM 23253 C2	C A1300	173,496	169,600	-1,378	1,00	34,73	C
ATM 23253 C2	C A1300	173,463	170,000	-1,190	1,00	34,73	C
ATM 23253 C2	C A1300	173,430	170,400	-1,002	1,00	34,73	C
ATM 23253 C2	C A1300	173,397	170,800	-814	1,00	34,73	C
ATM 23253 C2	C A1300	173,364	171,200	-626	1,00	34,73	C
ATM 23253 C2	C A1300	173,331	171,600	-438	1,00	34,73	C
ATM 23253 C2	C A1300	173,298	172,000	-250	1,00	34,73	C
ATM 23253 C2	C A1300	173,265	172,400	-62	1,00	34,73	C
ATM 23253 C2	C A1300	173,232	172,800	126	1,00	34,73	C
ATM 23253 C2	C A1300	173,199	173,200	314	1,00	34,73	C
ATM 23253 C2	C A1300	173,166	173,600	602	1,00	34,73	C
ATM 23253 C2	C A1300	173,133	174,000	890	1,00	34,73	C
ATM 23253 C2	C A1300	173,100	174,400	1,178	1,00	34,73	C
ATM 23253 C2	C A1300	173,067	174,800	1,466	1,00	34,73	C
ATM 23253 C2	C A1300	173,034	175,200	1,754	1,00	34,73	C
ATM 23253 C2	C A1300	172,999	175,600	2,042	1,00	34,73	C
ATM 23253 C2	C A1300	172,966	176,000	2,330	1,00	34,73	C
ATM 23253 C2	C A1300	172,931	176,400	2,618	1,00	34,73	C
ATM 23253 C2	C A1300	172,897	176,800	2,906	1,00	34,73	C
ATM 23253 C2	C A1300	172,862	177,200	3,194	1,00	34,73	C
ATM 23253 C2	C A1300	172,827	177,600	3,482	1,00	34,73	C
ATM 23253 C2	C A1300	172,792	178,000	3,770	1,00	34,73	C
ATM 23253 C2	C A1300	172,757	178,400	4,058	1,00	34,73	C
ATM 23253 C2	C A1300	172,722	178,800	4,346	1,00	34,73	C
ATM 23253 C2	C A1300	172,687	179,200	4,634	1,00	34,73	C
ATM 23253 C2	C A1300	172,652	179,600	4,922	1,00	34,73	C
ATM 23253 C2	C A1300	172,617	180,000	5,210	1,00	34,73	C
ATM 23253 C2	C A1300	172,582	180,400	5,498	1,00	34,73	C
ATM 23253 C2	C A1300	172,547	180,800	5,786	1,00	34,73	C
ATM 23253 C2	C A1300	172,512	181,200	6,074	1,00	34,73	C
ATM 23253 C2	C A1300	172,477	181,600	6,362	1,00	34,73	C
ATM 23253 C2	C A1300	172,442	182,000	6,650	1,00	34,73	C
ATM 23253 C2	C A1300	172,407	182,400	6,938	1,00	34,73	C
ATM 23253 C2	C A1300	172,372	182,800	7,226	1,00	34,73	C
ATM 23253 C2	C A1300	172,337	183,200	7,514	1,00	34,73	C
ATM 23253 C2	C A1300	172,302	183,600	7,802	1,00	34,73	C
ATM 23253 C2	C A1300	172,267	184,000	8,090	1,00	34,73	C
ATM 23253 C2	C A1300	172,232	184,400	8,378	1,00	34,73	C
ATM 23253 C2	C A1300	172,197	184,800	8,666	1,00	34,73	C
ATM 23253 C2	C A1300	172,162	185				

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ATC001	CA	125	01	179,913	164,100	-15,818	3,00	90.75	0	ATC021	CA	125	01	180,191	164,250	-15,940	3,00	-15.00	0
ATC002	CA	125	01	179,173	164,100	-15,873	3,00	90.75	0	ATC022	CA	125	01	180,482	164,250	-16,232	3,00	-15.00	0
ATC003	CA	125	01	179,464	164,100	-15,634	3,00	90.75	0	ATC023	CA	125	01	180,773	164,250	-16,523	3,00	-15.00	0
ATC004	CA	125	01	179,755	164,100	-15,655	3,00	90.75	0	ATC024	CA	125	01	181,064	164,250	-16,814	3,00	-15.00	0
ATC005	CA	125	01	179,046	164,100	-15,054	3,00	90.75	0	ATC025	CA	125	01	181,355	164,250	-17,105	3,00	-15.00	0
ATC006	CA	125	01	179,337	164,100	-15,077	3,00	90.75	0	ATC026	CA	125	01	181,646	164,250	-17,396	3,00	-15.00	0
ATC007	CA	125	01	179,628	164,100	-15,099	3,00	90.75	0	ATC027	CA	125	01	181,937	164,250	-17,687	3,00	-15.00	0
ATC008	CA	125	01	179,919	164,100	-15,122	3,00	90.75	0	ATC028	CA	125	01	182,228	164,250	-17,978	3,00	-15.00	0
ATC009	CA	125	01	180,210	164,100	-15,145	3,00	90.75	0	ATC029	CA	125	01	182,519	164,250	-18,269	3,00	-15.00	0
ATC010	CA	125	01	180,501	164,100	-15,168	3,00	90.75	0	ATC030	CA	125	01	182,810	164,250	-18,560	3,00	-15.00	0
ATC011	CA	125	01	180,792	164,100	-15,191	3,00	90.75	0	ATC031	CA	125	01	183,101	164,250	-18,851	3,00	-15.00	0
ATC012	CA	125	01	181,083	164,100	-15,214	3,00	90.75	0	ATC032	CA	125	01	183,392	164,250	-19,142	3,00	-15.00	0
ATC013	CA	125	01	181,374	164,100	-15,237	3,00	90.75	0	ATC033	CA	125	01	183,683	164,250	-19,433	3,00	-15.00	0
ATC014	CA	125	01	181,665	164,100	-15,260	3,00	90.75	0	ATC034	CA	125	01	183,974	164,250	-19,724	3,00	-15.00	0
ATC015	CA	125	01	181,956	164,100	-15,283	3,00	90.75	0	ATC035	CA	125	01	184,265	164,250	-20,015	3,00	-15.00	0
ATC016	CA	125	01	182,247	164,100	-15,306	3,00	90.75	0	ATC036	CA	125	01	184,556	164,250	-20,306	3,00	-15.00	0
ATC017	CA	125	01	182,538	164,100	-15,329	3,00	90.75	0	ATC037	CA	125	01	184,847	164,250	-20,597	3,00	-15.00	0
ATC018	CA	125	01	182,829	164,100	-15,352	3,00	90.75	0	ATC038	CA	125	01	185,138	164,250	-20,888	3,00	-15.00	0
ATC019	CA	125	01	183,120	164,100	-15,375	3,00	90.75	0	ATC039	CA	125	01	185,429	164,250	-21,179	3,00	-15.00	0
ATC020	CA	125	01	183,411	164,100	-15,398	3,00	90.75	0	ATC040	CA	125	01	185,720	164,250	-21,470	3,00	-15.00	0
ATC021	CA	125	01	183,702	164,100	-15,421	3,00	90.75	0	ATC041	CA	125	01	186,011	164,250	-21,761	3,00	-15.00	0
ATC022	CA	125	01	183,993	164,100	-15,444	3,00	90.75	0	ATC042	CA	125	01	186,302	164,250	-22,052	3,00	-15.00	0

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ATP01	1400	0	15.7	13	116,463	107,768	75,164	1,000	94.73	D
ATP02	1401	0	15.7	13	116,429	108,973	75,194	1,000	94.73	D
ATP03	1402	0	15.7	13	116,190	108,016	75,238	1,000	94.73	D
ATP04	1403	0	15.7	13	116,004	107,100	75,180	1,000	94.73	D
ATP05	1404	0	15.7	13	115,765	106,184	75,120	1,000	94.73	D
ATP06	1405	0	15.7	13	115,526	105,268	75,060	1,000	94.73	D
ATP07	1406	0	15.7	13	115,287	104,352	75,000	1,000	94.73	D
ATP08	1407	0	15.7	13	115,048	103,436	74,940	1,000	94.73	D
ATP09	1408	0	15.7	13	114,809	102,520	74,880	1,000	94.73	D
ATP10	1409	0	15.7	13	114,570	101,604	74,820	1,000	94.73	D
ATP11	1410	0	15.7	13	114,331	100,688	74,760	1,000	94.73	D
ATP12	1411	0	15.7	13	114,092	99,772	74,700	1,000	94.73	D
ATP13	1412	0	15.7	13	113,853	98,856	74,640	1,000	94.73	D
ATP14	1413	0	15.7	13	113,614	97,940	74,580	1,000	94.73	D
ATP15	1414	0	15.7	13	113,375	97,024	74,520	1,000	94.73	D
ATP16	1415	0	15.7	13	113,136	96,108	74,460	1,000	94.73	D
ATP17	1416	0	15.7	13	112,897	95,192	74,400	1,000	94.73	D
ATP18	1417	0	15.7	13	112,658	94,276	74,340	1,000	94.73	D
ATP19	1418	0	15.7	13	112,419	93,360	74,280	1,000	94.73	D
ATP20	1419	0	15.7	13	112,180	92,444	74,220	1,000	94.73	D
ATP21	1420	0	15.7	13	111,941	91,528	74,160	1,000	94.73	D
ATP22	1421	0	15.7	13	111,702	90,612	74,100	1,000	94.73	D
ATP23	1422	0	15.7	13	111,463	89,696	74,040	1,000	94.73	D
ATP24	1423	0	15.7	13	111,224	88,780	73,980	1,000	94.73	D
ATP25	1424	0	15.7	13	110,985	87,864	73,920	1,000	94.73	D
ATP26	1425	0	15.7	13	110,746	86,948	73,860	1,000	94.73	D
ATP27	1426	0	15.7	13	110,507	86,032	73,800	1,000	94.73	D
ATP28	1427	0	15.7	13	110,268	85,116	73,740	1,000	94.73	D
ATP29	1428	0	15.7	13	110,029	84,200	73,680	1,000	94.73	D
ATP30	1429	0	15.7	13	109,790	83,284	73,620	1,000	94.73	D
ATP31	1430	0	15.7	13	109,551	82,368	73,560	1,000	94.73	D
ATP32	1431	0	15.7	13	109,312	81,452	73,500	1,000	94.73	D
ATP33	1432	0	15.7	13	109,073	80,536	73,440	1,000	94.73	D
ATP34	1433	0	15.7	13	108,834	79,620	73,380	1,000	94.73	D
ATP35	1434	0	15.7	13	108,595	78,704	73,320	1,000	94.73	D
ATP36	1435	0	15.7	13	108,356	77,788	73,260	1,000	94.73	D
ATP37	1436	0	15.7	13	108,117	76,872	73,200	1,000	94.73	D
ATP38	1437	0	15.7	13	107,878	75,956	73,140	1,000	94.73	D
ATP39	1438	0	15.7	13	107,639	75,040	73,080	1,000	94.73	D
ATP40	1439	0	15.7	13	107,400	74,124	73,020	1,000	94.73	D
ATP41	1440	0	15.7	13	107,161	73,208	72,960	1,000	94.73	D
ATP42	1441	0	15.7	13	106,922	72,292	72,900	1,000	94.73	D
ATP43	1442	0	15.7	13	106,683	71,376	72,840	1,000	94.73	D
ATP44	1443	0	15.7	13	106,444	70,460	72,780	1,000	94.73	D
ATP45	1444	0	15.7	13	106,205	69,544	72,720	1,000	94.73	D
ATP46	1445	0	15.7	13	105,966	68,628	72,660	1,000	94.73	D
ATP47	1446	0	15.7	13	105,727	67,712	72,600	1,000	94.73	D
ATP48	1447	0	15.7	13	105,488	66,796	72,540	1,000	94.73	D
ATP49	1448	0	15.7	13	105,249	65,880	72,480	1,000	94.73	D
ATP50	1449	0	15.7	13	105,010	64,964	72,420	1,000	94.73	D
ATP51	1450	0	15.7	13	104,771	64,048	72,360	1,000	94.73	D
ATP52	1451	0	15.7	13	104,532	63,132	72,300	1,000	94.73	D
ATP53	1452	0	15.7	13	104,293	62,216	72,240	1,000	94.73	D
ATP54	1453	0	15.7	13	104,054	61,300	72,180	1,000	94.73	D
ATP55	1454	0	15.7	13	103,815	60,384	72,120	1,000	94.73	D
ATP56	1455	0	15.7	13	103,576	59,468	72,060	1,000	94.73	D
ATP57	1456	0	15.7	13	103,337	58,552	72,000	1,000	94.73	D
ATP58	1457	0	15.7	13	103,098	57,636	71,940	1,000	94.73	D
ATP59	1458	0	15.7	13	102,859	56,720	71,880	1,000	94.73	D
ATP60	1459	0	15.7	13	102,620	55,804	71,820	1,000	94.73	D
ATP61	1460	0	15.7	13	102,381	54,888	71,760	1,000	94.73	D
ATP62	1461	0	15.7	13	102,142	53,972	71,700	1,000	94.73	D
ATP63	1462	0	15.7	13	101,903	53,056	71,640	1,000	94.73	D
ATP64	1463	0	15.7	13	101,664	52,140	71,580	1,000	94.73	D
ATP65	1464	0	15.7	13	101,425	51,224	71,520	1,000	94.73	D
ATP66	1465	0	15.7	13	101,186	50,308	71,460	1,000	94.73	D
ATP67	1466	0	15.7	13	100,947	49,392	71,400	1,000	94.73	D
ATP68	1467	0	15.7	13	100,708	48,476	71,340	1,000	94.73	D
ATP69	1468	0	15.7	13	100,469	47,560	71,280	1,000	94.73	D
ATP70	1469	0	15.7	13	100,230	46,644	71,220	1,000	94.73	D
ATP71	1470	0	15.7	13	99,991	45,728	71,160	1,000	94.73	D
ATP72	1471	0	15.7	13	99,752	44,812	71,100	1,000	94.73	D
ATP73	1472	0	15.7	13	99,513	43,896	71,040	1,000	94.73	D
ATP74	1473	0	15.7	13	99,274	42,980	70,980	1,000	94.73	D
ATP75	1474	0	15.7	13	99,035	42,064	70,920	1,000	94.73	D
ATP76	1475	0	15.7	13	98,796	41,148	70,860	1,000	94.73	D
ATP77	1476	0	15.7	13	98,557	40,232	70,800	1,000	94.73	D
ATP78	1477	0	15.7	13	98,318	39,316	70,740	1,000	94.73	D
ATP79	1478	0	15.7	13	98,079	38,400	70,680	1,000	94.73	D
ATP80	1479	0	15.7	13	97,840	37,484	70,620	1,000	94.73	D
ATP81	1480	0	15.7	13	97,601	36,568	70,560	1,000	94.73	D
ATP82	1481	0	15.7	13	97,362	35,652	70,500	1,000	94.73	D
ATP83	1482	0	15.7	13	97,123	34,736	70,440	1,000	94.73	D
ATP84	1483	0	15.7	13	96,884	33,820	70,380	1,000	94.73	D
ATP85	1484	0	15.7	13	96,645	32,904	70,320	1,000	94.73	D
ATP86	1485	0	15.7	13	96,406	31,988	70,260	1,000	94.73	D
ATP87	1486	0	15.7	13	96,167	31,072	70,200	1,000	94.73	D
ATP88	1487	0	15.7	13	95,928	30,156	70,140	1,000	94.73	D
ATP89	1488	0	15.7	13	95,689	29,240	70,080	1,000	94.73	D
ATP90	1489	0	15.7	13	95,450	28,324	70,020	1,000	94.73	D
ATP91	1490	0	15.7	13	95,211	27,408	69,960	1,000	94.73	D
ATP92	1491	0	15.7	13	94,972	26,492	69,900	1,000	94.73	D
ATP93	1492	0	15.7	13	94,733	25,576	69,840	1,000	94.73	D
ATP94	1493	0	15.7	13	94,494	24,660	69,780	1,000	94.73	D
ATP95	1494	0	15.7	13	94,255	23,744	69,720	1,000	94.73	D
ATP96	1495	0	15.7	13	94,016	22,828	69,660	1,000	94.73	D
ATP97	1496	0	15.7	13	93,777	21,912	69,600	1,000	94.73	D
ATP98	1497	0	15.7	13	93,538	20,996	69,540	1,000	94.73	D
ATP99	1498	0	15.7	13	93,299	20,080	69,480	1,000	94.73	D
ATP100	1499	0	15.7	13	93,060	19,164	69,420	1,000	94.73	D
ATP101	1500	0	15.7	13	92,821	18,248	69,360	1,000	94.73	D
ATP102	1501	0	15.7	13	92,582	17,332	69,300	1,000	94.73	D
ATP103	1502	0	15.7	13	92,343	16,416	69,240	1,000	94.73	D
ATP104	1503	0	15.7	13	92,104	15,500	69,180	1,000	94.73	D
ATP105	1504	0	15.7	13	91,865	14,584	69,120	1,000	94.73	D
ATP106	1505	0	15.7	13	91,626	13,668	69,060	1,000	94.73	D
ATP107	1506	0	15.7	13	91,387	12,752	69,000	1,000	94.73	D
ATP108	1507	0	15.7	13	91,148	11,836	68,940	1,000	94.73	D
ATP109	1508	0	15.7	13	90,909	10,920	68,880	1,000	94.73	D
ATP110	1509	0	15.7	13	90,670	10,004	68,820	1,000	94.73	D
ATP111	1510	0	15.7	13	90,431	9,088	68,760	1,000	94.73	D
ATP112	1511	0	15.7	13	90,192	8,172	68,700	1,000	94.73	D
ATP113	1512	0	15.7	13	89,953	7,256	68,640	1,000	94.73	D
ATP114	1513	0	15.7	13	89,714	6,340	68,580	1,000	94.73	D
ATP115	1514	0	15.7	13	89,475	5,424	68,520	1,000	94.73	D
ATP116	1515	0	15.7	13	89,236	4,508	68,460	1,000	94.73	D
ATP117	1516	0	15.7	13	88,997	3,592	68,400	1,000	94.73	D
ATP118	1517	0	15.7	13	88,758	2,676	68,340	1,000	94.73	D
ATP119	1518	0								

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1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	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ATP	10770	CH	17.0	13	138.774	177.344	-38.572	1.00	77.37	C
ATP	10771	CH	17.0	13	142.127	177.076	-34.949	1.00	76.50	C
ATP	10772	CH	17.0	13	143.277	177.011	-33.734	1.00	76.10	C
ATP	10773	CH	17.0	13	144.149	177.050	-32.913	1.00	75.60	C
ATP	10774	CH	17.0	13	145.112	177.040	-32.091	1.00	75.10	C
ATP	10775	CH	17.0	13	145.984	177.040	-31.269	1.00	74.60	C
ATP	10776	CH	17.0	13	146.857	177.040	-30.447	1.00	74.10	C
ATP	10777	CH	17.0	13	147.730	177.040	-29.625	1.00	73.60	C
ATP	10778	CH	17.0	13	148.603	177.040	-28.803	1.00	73.10	C
ATP	10779	CH	17.0	13	149.476	177.040	-27.981	1.00	72.60	C
ATP	10780	CH	17.0	13	150.349	177.040	-27.159	1.00	72.10	C
ATP	10781	CH	17.0	13	151.222	177.040	-26.337	1.00	71.60	C
ATP	10782	CH	17.0	13	152.095	177.040	-25.515	1.00	71.10	C
ATP	10783	CH	17.0	13	152.968	177.040	-24.693	1.00	70.60	C
ATP	10784	CH	17.0	13	153.841	177.040	-23.871	1.00	70.10	C
ATP	10785	CH	17.0	13	154.714	177.040	-23.049	1.00	69.60	C
ATP	10786	CH	17.0	13	155.587	177.040	-22.227	1.00	69.10	C
ATP	10787	CH	17.0	13	156.460	177.040	-21.405	1.00	68.60	C
ATP	10788	CH	17.0	13	157.333	177.040	-20.583	1.00	68.10	C
ATP	10789	CH	17.0	13	158.206	177.040	-19.761	1.00	67.60	C
ATP	10790	CH	17.0	13	159.079	177.040	-18.939	1.00	67.10	C
ATP	10791	CH	17.0	13	159.952	177.040	-18.117	1.00	66.60	C
ATP	10792	CH	17.0	13	160.825	177.040	-17.295	1.00	66.10	C
ATP	10793	CH	17.0	13	161.698	177.040	-16.473	1.00	65.60	C
ATP	10794	CH	17.0	13	162.571	177.040	-15.651	1.00	65.10	C
ATP	10795	CH	17.0	13	163.444	177.040	-14.829	1.00	64.60	C
ATP	10796	CH	17.0	13	164.317	177.040	-14.007	1.00	64.10	C
ATP	10797	CH	17.0	13	165.190	177.040	-13.185	1.00	63.60	C
ATP	10798	CH	17.0	13	166.063	177.040	-12.363	1.00	63.10	C
ATP	10799	CH	17.0	13	166.936	177.040	-11.541	1.00	62.60	C
ATP	10800	CH	17.0	13	167.809	177.040	-10.719	1.00	62.10	C
ATP	10801	CH	17.0	13	168.682	177.040	-9.897	1.00	61.60	C
ATP	10802	CH	17.0	13	169.555	177.040	-9.075	1.00	61.10	C
ATP	10803	CH	17.0	13	170.428	177.040	-8.253	1.00	60.60	C
ATP	10804	CH	17.0	13	171.301	177.040	-7.431	1.00	60.10	C
ATP	10805	CH	17.0	13	172.174	177.040	-6.609	1.00	59.60	C
ATP	10806	CH	17.0	13	173.047	177.040	-5.787	1.00	59.10	C
ATP	10807	CH	17.0	13	173.920	177.040	-4.965	1.00	58.60	C
ATP	10808	CH	17.0	13	174.793	177.040	-4.143	1.00	58.10	C
ATP	10809	CH	17.0	13	175.666	177.040	-3.321	1.00	57.60	C
ATP	10810	CH	17.0	13	176.539	177.040	-2.499	1.00	57.10	C
ATP	10811	CH	17.0	13	177.412	177.040	-1.677	1.00	56.60	C
ATP	10812	CH	17.0	13	178.285	177.040	-0.855	1.00	56.10	C
ATP	10813	CH	17.0	13	179.158	177.040	0.000	1.00	55.60	C
ATP	10814	CH	17.0	13	180.031	177.040	0.822	1.00	55.10	C
ATP	10815	CH	17.0	13	180.904	177.040	1.644	1.00	54.60	C
ATP	10816	CH	17.0	13	181.777	177.040	2.466	1.00	54.10	C
ATP	10817	CH	17.0	13	182.650	177.040	3.288	1.00	53.60	C
ATP	10818	CH	17.0	13	183.523	177.040	4.110	1.00	53.10	C
ATP	10819	CH	17.0	13	184.396	177.040	4.932	1.00	52.60	C
ATP	10820	CH	17.0	13	185.269	177.040	5.754	1.00	52.10	C
ATP	10821	CH	17.0	13	186.142	177.040	6.576	1.00	51.60	C
ATP	10822	CH	17.0	13	187.015	177.040	7.398	1.00	51.10	C
ATP	10823	CH	17.0	13	187.888	177.040	8.220	1.00	50.60	C
ATP	10824	CH	17.0	13	188.761	177.040	9.042	1.00	50.10	C
ATP	10825	CH	17.0	13	189.634	177.040	9.864	1.00	49.60	C
ATP	10826	CH	17.0	13	190.507	177.040	10.686	1.00	49.10	C
ATP	10827	CH	17.0	13	191.380	177.040	11.508	1.00	48.60	C
ATP	10828	CH	17.0	13	192.253	177.040	12.330	1.00	48.10	C
ATP	10829	CH	17.0	13	193.126	177.040	13.152	1.00	47.60	C
ATP	10830	CH	17.0	13	194.000	177.040	13.974	1.00	47.10	C
ATP	10831	CH	17.0	13	194.873	177.040	14.796	1.00	46.60	C
ATP	10832	CH	17.0	13	195.746	177.040	15.618	1.00	46.10	C
ATP	10833	CH	17.0	13	196.620	177.040	16.440	1.00	45.60	C
ATP	10834	CH	17.0	13	197.493	177.040	17.262	1.00	45.10	C
ATP	10835	CH	17.0	13	198.366	177.040	18.084	1.00	44.60	C
ATP	10836	CH	17.0	13	199.240	177.040	18.906	1.00	44.10	C
ATP	10837	CH	17.0	13	200.113	177.040	19.728	1.00	43.60	C
ATP	10838	CH	17.0	13	200.986	177.040	20.550	1.00	43.10	C
ATP	10839	CH	17.0	13	201.860	177.040	21.372	1.00	42.60	C
ATP	10840	CH	17.0	13	202.733	177.040	22.194	1.00	42.10	C
ATP	10841	CH	17.0	13	203.606	177.040	23.016	1.00	41.60	C
ATP	10842	CH	17.0	13	204.480	177.040	23.838	1.00	41.10	C
ATP	10843	CH	17.0	13	205.353	177.040	24.660	1.00	40.60	C
ATP	10844	CH	17.0	13	206.226	177.040	25.482	1.00	40.10	C
ATP	10845	CH	17.0	13	207.100	177.040	26.304	1.00	39.60	C
ATP	10846	CH	17.0	13	207.973	177.040	27.126	1.00	39.10	C
ATP	10847	CH	17.0	13	208.846	177.040	27.948	1.00	38.60	C
ATP	10848	CH	17.0	13	209.720	177.040	28.770	1.00	38.10	C
ATP	10849	CH	17.0	13	210.593	177.040	29.592	1.00	37.60	C
ATP	10850	CH	17.0	13	211.466	177.040	30.414	1.00	37.10	C
ATP	10851	CH	17.0	13	212.340	177.040	31.236	1.00	36.60	C
ATP	10852	CH	17.0	13	213.213	177.040	32.058	1.00	36.10	C
ATP	10853	CH	17.0	13	214.086	177.040	32.880	1.00	35.60	C
ATP	10854	CH	17.0	13	214.960	177.040	33.702	1.00	35.10	C
ATP	10855	CH	17.0	13	215.833	177.040	34.524	1.00	34.60	C
ATP	10856	CH	17.0	13	216.706	177.040	35.346	1.00	34.10	C
ATP	10857	CH	17.0	13	217.580	177.040	36.168	1.00	33.60	C
ATP	10858	CH	17.0	13	218.453	177.040	36.990	1.00	33.10	C
ATP	10859	CH	17.0	13	219.326	177.040	37.812	1.00	32.60	C
ATP	10860	CH	17.0	13	220.200	177.040	38.634	1.00	32.10	C
ATP	10861	CH	17.0	13	221.073	177.040	39.456	1.00	31.60	C
ATP	10862	CH	17.0	13	221.946	177.040	40.278	1.00	31.10	C
ATP	10863	CH	17.0	13	222.820	177.040	41.100	1.00	30.60	C
ATP	10864	CH	17.0	13	223.693	177.040	41.922	1.00	30.10	C
ATP	10865	CH	17.0	13	224.566	177.040	42.744	1.00	29.60	C
ATP	10866	CH	17.0	13	225.440	177.040	43.566	1.00	29.10	C
ATP	10867	CH	17.0	13	226.313	177.040	44.388	1.00	28.60	C
ATP	10868	CH	17.0	13	227.186	177.040	45.210	1.00	28.10	C
ATP	10869	CH	17.0	13	228.060	177.040	46.032	1.00	27.60	C
ATP	10870	CH	17.0	13	228.933	177.040	46.854	1.00	27.10	C
ATP	10871	CH	17.0	13	229.806	177.040	47.676	1.00	26.60	C
ATP	10872	CH	17.0	13	230.680	177.040	48.498	1.00	26.10	C
ATP	10873	CH	17.0	13	231.553	177.040	49.320	1.00	25.60	C
ATP	10874	CH	17.0	13	232.426	177.040	50.142	1.00	25.10	C
ATP	10875	CH	17.0	13	233.300	177.040	50.964	1.00	24.60	C
ATP	10876	CH	17.0	13	234.173	177.040	51.786	1.00	24.10	C
ATP	10877	CH	17.0	13	235.046	177.040	52.608	1.00	23.60	C
ATP	10878	CH	17.0	13	235.920	177.040	53.430	1.00	23.10	C
ATP	10879	CH	17.0	13	236.793	177.040	54.252	1.00	22.60	C
ATP	10880	CH	17.0	13	237.666	177.040	55.074	1.00	22.10	C
ATP	10881	CH	17.0	13	238.540	177.040	55.896	1.00	21.60	C
ATP	10882	CH	17.0	13	239.413	177.040	56.718	1.00	21.10	C
ATP	10883	CH	17.0	13	240.286	177.040	57.540	1.00	20.60	C
ATP	10884	CH	17.0	13	241.160	177.040	58.362	1.00	20.10	C
ATP	10885	CH	17.0	13	242.033	177.040	59.184	1.00	19.60	C
ATP	10886	CH	17.0	13	242.906	177.040	60.006	1.00	19.10	C
ATP	10887	CH	17.0	13	243.780	177.040	60.828	1.00	18.60	C
ATP	10888	CH</								

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ATPC	45136	001	000	0	172,781	04,179	0,010	3,070,044.73	0	ATPC	45114	001	000	0	180,121	79,733	4,002	1,000,000.00	0	ATPC	45114	001	000	0	180,121	79,733	4,002	1,000,000.00	0
ATPC	45137	002	000	0	180,173	04,000	0,000	1,000,000.00	0	ATPC	45115	002	000	0	180,144	79,739	3,996	1,000,000.00	0	ATPC	45115	002	000	0	180,144	79,739	3,996	1,000,000.00	0
ATPC	45138	003	000	0	177,125	04,000	0,000	1,000,000.00	0	ATPC	45116	003	000	0	180,167	79,739	3,996	1,000,000.00	0	ATPC	45116	003	000	0	180,167	79,739	3,996	1,000,000.00	0
ATPC	45139	004	000	0	176,254	04,113	0,000	1,000,000.00	0	ATPC	45117	004	000	0	180,190	79,739	3,996	1,000,000.00	0	ATPC	45117	004	000	0	180,190	79,739	3,996	1,000,000.00	0
ATPC	45140	005	000	0	175,272	04,127	0,000	1,000,000.00	0	ATPC	45118	005	000	0	180,213	79,739	3,996	1,000,000.00	0	ATPC	45118	005	000	0	180,213	79,739	3,996	1,000,000.00	0
ATPC	45141	006	000	0	174,290	04,141	0,000	1,000,000.00	0	ATPC	45119	006	000	0	180,236	79,739	3,996	1,000,000.00	0	ATPC	45119	006	000	0	180,236	79,739	3,996	1,000,000.00	0
ATPC	45142	007	000	0	173,308	04,155	0,000	1,000,000.00	0	ATPC	45120	007	000	0	180,259	79,739	3,996	1,000,000.00	0	ATPC	45120	007	000	0	180,259	79,739	3,996	1,000,000.00	0
ATPC	45143	008	000	0	172,326	04,169	0,000	1,000,000.00	0	ATPC	45121	008	000	0	180,282	79,739	3,996	1,000,000.00	0	ATPC	45121	008	000	0	180,282	79,739	3,996	1,000,000.00	0
ATPC	45144	009	000	0	171,344	04,183	0,000	1,000,000.00	0	ATPC	45122	009	000	0	180,305	79,739	3,996	1,000,000.00	0	ATPC	45122	009	000	0	180,305	79,739	3,996	1,000,000.00	0
ATPC	45145	010	000	0	170,362	04,197	0,000	1,000,000.00	0	ATPC	45123	010	000	0	180,328	79,739	3,996	1,000,000.00	0	ATPC	45123	010	000	0	180,328	79,739	3,996	1,000,000.00	0
ATPC	45146	011	000	0	169,380	04,211	0,000	1,000,000.00	0	ATPC	45124	011	000	0	180,351	79,739	3,996	1,000,000.00	0	ATPC	45124	011	000	0	180,351	79,739	3,996	1,000,000.00	0
ATPC	45147	012	000	0	168,398	04,225	0,000	1,000,000.00	0	ATPC	45125	012	000	0	180,374	79,739	3,996	1,000,000.00	0	ATPC	45125	012	000	0	180,374	79,739	3,996	1,000,000.00	0
ATPC	45148	013	000	0	167,416	04,239	0,000	1,000,000.00	0	ATPC	45126	013	000	0	180,397	79,739	3,996	1,000,000.00	0	ATPC	45126	013	000	0	180,397	79,739	3,996	1,000,000.00	0
ATPC	45149	014	000	0	166,434	04,253	0,000	1,000,000.00	0	ATPC	45127	014	000	0	180,420	79,739	3,996	1,000,000.00	0	ATPC	45127	014	000	0	180,420	79,739	3,996	1,000,000.00	0
ATPC	45150	015	000	0	165,452	04,267	0,000	1,000,000.00	0	ATPC	45128	015	000	0	180,443	79,739	3,996	1,000,000.00	0	ATPC	45128	015	000	0	180,443	79,739	3,996	1,000,000.00	0
ATPC	45151	016	000	0	164,470	04,281	0,000	1,000,000.00	0	ATPC	45129	016	000	0	180,466	79,739	3,996	1,000,000.00	0	ATPC	45129	016	000	0	180,466	79,739	3,996	1,000,000.00	0
ATPC	45152	017	000	0	163,488	04,295	0,000	1,000,000.00	0	ATPC	45130	017	000	0	180,489	79,739	3,996	1,000,000.00	0	ATPC	45130	017	000	0	180,489	79,739	3,996	1,000,000.00	0
ATPC	45153	018	000	0	162,506	04,309	0,000	1,000,000.00	0	ATPC	45131	018	000	0	180,512	79,739	3,996	1,000,000.00	0	ATPC	45131	018	000	0	180,512	79,739	3,996	1,000,000.00	0
ATPC	45154	019	000	0	161,524	04,323	0,000	1,000,000.00	0	ATPC	45132	019	000	0	180,535	79,739	3,996	1,000,000.00	0	ATPC	45132	019	000	0	180,535	79,739	3,996	1,000,000.00	0
ATPC	45155	020	000	0	160,542	04,337	0,000	1,000,000.00	0	ATPC	45133	020	000	0	180,558	79,739	3,996	1,000,000.00	0	ATPC	45133	020	000	0	180,558	79,739	3,996	1,000,000.00	0
ATPC	45156	021	000	0	159,560	04,351	0,000	1,000,000.00	0	ATPC	45134	021	000	0	180,581	79,739	3,996	1,000,000.00	0	ATPC	45134	021	000	0	180,581	79,739	3,996	1,000,000.00	0
ATPC	45157	022	000	0	158,578	04,365	0,000	1,000,000.00	0	ATPC	45135	022	000	0	180,604	79,739	3,996	1,000,000.00	0	ATPC	45135	022	000	0	180,604	79,739	3,996	1,000,000.00	0
ATPC	45158	023	000	0	157,596	04,379	0,000	1,000,000.00	0	ATPC	45136	023	000	0	180,627	79,739	3,996	1,000,000.00	0	ATPC	45136	023	000	0	180,627	79,739	3,996	1,000,000.00	0
ATPC	45159	024	000	0	156,614	04,393	0,000	1,000,000.00	0	ATPC	45137	024	000	0	180,650	79,739	3,996	1,000,000.00	0	ATPC	45137	024	000	0	180,650	79,739	3,996	1,000,000.00	0
ATPC	45160	025	000	0	155,632	04,407	0,000	1,000,000.00	0	ATPC	45138	025	000	0	180,673	79,739	3,996	1,000,000.00	0	ATPC	45138	025	000	0	180,673	79,739	3,996	1,000,000.00	0
ATPC	45161	026	000	0	154,650	04,421	0,000	1,000,000.00	0	ATPC	45139	026	000	0	180,696	79,739	3,996	1,000,000.00	0	ATPC	45139	026	000	0	180,696	79,739	3,996	1,000,000.00	0
ATPC	45162	027	000	0	153,668	04,435	0,000	1,000,000.00	0	ATPC	45140	027	000	0	180,719	79,739	3,996	1,000,000.00	0	ATPC	45140	027	000	0	180,719	79,739	3,996	1,000,000.00	0
ATPC	45163	028	000	0	152,686	04,449	0,000	1,000,000.00	0	ATPC	45141	028	000	0	180,742	79,739	3,996	1,000,000.00	0	ATPC	45141	028	000	0	180,742	79,739	3,996	1,000,000.00	0
ATPC	45164	029	000	0	151,704	04,463	0,000	1,000,000.00	0	ATPC	45142	029	000	0	180,765	79,739	3,996	1,000,000.00	0	ATPC	45142	029	000	0	180,765	79,739	3,996	1,000,000.00	0
ATPC	45165	030	000	0	150,722	04,477	0,000	1,000,000.00	0	ATPC	45143	030	000	0	180,788	79,739	3,996	1,000,000.00	0	ATPC	45143	030	000	0	180,788	79,739	3,996	1,000,000.00	0
ATPC	45166	031	000	0	149,740	04,491	0,000	1,000,000.00	0	ATPC	45144	031	000	0	180,811	79,739	3,996	1,000,000.00	0	ATPC	45144	031	000	0	180,811	79,739	3,996	1,000,000.00	0
ATPC	45167	032	000	0	148,758	04,505	0,000	1,000,000.00	0	ATPC	45145	032	000	0	180,834	79,739	3,996	1,000,000.00	0	ATPC	45145	032	000	0	180,834	79,739	3,996	1,000,000.00	0
ATPC	45168	033	000	0	147,776	04,519	0,000	1,000,000.00	0	ATPC	45146	033	000	0	180,857	79,739	3,996	1,000,000.00	0	ATPC	45146	033	000	0	180,857	79,739	3,996	1,000,000.00	0
ATPC	45169	034	000	0	146,794	04,533	0,000	1,000,000.00	0	ATPC	45147	034	000	0	180,880	79,739	3,996	1,000,000.00	0	ATPC	45147	034	000	0	180,880	79,739	3,996	1,000,000.00	0
ATPC	45170	035	000	0	145,812	04,547	0,000	1,000,000.00	0	ATPC	45148	035	000	0	180,903	79,739	3,996	1,000,000.00	0	ATPC	45148	035	000	0	180,903	79,739	3,996	1,000,000.00	0
ATPC	45171	036	000	0	144,830	04,561	0,000	1,000,000.00	0	ATPC	45149	036	000	0	180,926	79,739	3,996	1,000,000.00	0	ATPC	45149	036	000	0	180,926	79,739	3,996	1,000,000.00	0
ATPC	45172	037	000	0	143,848	04,575	0,000	1,000,000.00	0	ATPC	45150	037	000	0	180,949	79,739	3,996	1,000,000.00	0	ATPC	45150	037	000	0	180,949	79,739	3,996	1,000,000.00	0
ATPC	45173	038	000	0	142,866	04,589	0,000	1,000,000.00	0	ATPC	45151	038	000	0	180,972	79,739	3,996	1,000,000.00	0	ATPC	45151	038	000	0	180,972	79,739	3,996	1,000,000.00	0
ATPC	45174	039	000	0	141,884	04,603	0,000	1,000,000.00	0	ATPC	45152	039	000	0	180,995	79,739	3,996	1,000,000.00	0	ATPC	45152	039	000	0	180,995	79,739	3,996	1,000,000.00	0
ATPC	45175	040	000	0	140,902	04,617	0,000	1,000,000.00	0	ATPC	45153	040	000	0	181,018	79,739	3,996	1,000,000.00	0	ATPC	45153	040	000	0	181,018	79,739	3,996	1,000,000.00	0
ATPC	45176	041	000	0	139,920	04,631	0,000	1,000,000.00	0	ATPC	45154	041	000	0	181,041	79,739	3,996	1,000,000.00	0	ATPC	45154	041	000	0	181,041	79,739	3,996	1,000,000.00	0
ATPC	45177	042	000	0	138,938	04,645	0,000	1,000,000.00	0	ATPC	45155	042	000	0	181,064	79,739	3,996	1,000,000.00	0	ATPC	45155	042	000	0	181,064	79,739	3,996	1,000,000.00	0
ATPC	45178	043	000	0	137,9																								

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ATCO 19940	CA	148	63	171,299	125,621	-45,677	1,00	76,99	C	ATCO 19997	C	658	97	194,027	181,397	-12,630	1,00	66,56	C
ATCO 19943	C	114	61	172,793	175,933	-3,140	1,00	76,99	C	ATCO 19998	C	658	97	194,071	181,397	-12,674	1,00	66,56	C
ATCO 19946	C	114	61	172,119	175,933	-3,814	1,00	76,99	C	ATCO 19999	C	658	97	194,115	181,397	-12,718	1,00	66,56	C
ATCO 19949	C	114	61	170,131	175,933	-5,802	1,00	76,99	C	ATCO 20000	C	658	97	194,159	181,397	-12,762	1,00	66,56	C
ATCO 19950	CA	148	63	169,223	175,933	-6,710	1,00	76,99	C	ATCO 20001	C	658	97	194,203	181,397	-12,806	1,00	66,56	C
ATCO 19951	C	114	61	169,149	175,933	-6,784	1,00	76,99	C	ATCO 20002	C	658	97	194,247	181,397	-12,850	1,00	66,56	C
ATCO 19952	CA	148	63	168,241	175,933	-7,692	1,00	76,99	C	ATCO 20003	C	658	97	194,291	181,397	-12,894	1,00	66,56	C
ATCO 19953	C	114	61	167,333	175,933	-8,600	1,00	76,99	C	ATCO 20004	C	658	97	194,335	181,397	-12,938	1,00	66,56	C
ATCO 19954	C	114	61	166,425	175,933	-9,508	1,00	76,99	C	ATCO 20005	C	658	97	194,379	181,397	-12,982	1,00	66,56	C
ATCO 19955	C	114	61	165,517	175,933	-10,416	1,00	76,99	C	ATCO 20006	C	658	97	194,423	181,397	-13,026	1,00	66,56	C
ATCO 19956	C	114	61	164,609	175,933	-11,324	1,00	76,99	C	ATCO 20007	C	658	97	194,467	181,397	-13,070	1,00	66,56	C
ATCO 19957	C	114	61	163,701	175,933	-12,232	1,00	76,99	C	ATCO 20008	C	658	97	194,511	181,397	-13,114	1,00	66,56	C
ATCO 19958	C	114	61	162,793	175,933	-13,140	1,00	76,99	C	ATCO 20009	C	658	97	194,555	181,397	-13,158	1,00	66,56	C
ATCO 19959	C	114	61	161,885	175,933	-14,048	1,00	76,99	C	ATCO 20010	C	658	97	194,599	181,397	-13,202	1,00	66,56	C
ATCO 19960	C	114	61	160,977	175,933	-14,956	1,00	76,99	C	ATCO 20011	C	658	97	194,643	181,397	-13,246	1,00	66,56	C
ATCO 19961	C	114	61	160,069	175,933	-15,864	1,00	76,99	C	ATCO 20012	C	658	97	194,687	181,397	-13,290	1,00	66,56	C
ATCO 19962	C	114	61	159,161	175,933	-16,772	1,00	76,99	C	ATCO 20013	C	658	97	194,731	181,397	-13,334	1,00	66,56	C
ATCO 19963	C	114	61	158,253	175,933	-17,680	1,00	76,99	C	ATCO 20014	C	658	97	194,775	181,397	-13,378	1,00	66,56	C
ATCO 19964	C	114	61	157,345	175,933	-18,588	1,00	76,99	C	ATCO 20015	C	658	97	194,819	181,397	-13,422	1,00	66,56	C
ATCO 19965	C	114	61	156,437	175,933	-19,496	1,00	76,99	C	ATCO 20016	C	658	97	194,863	181,397	-13,466	1,00	66,56	C
ATCO 19966	C	114	61	155,529	175,933	-20,404	1,00	76,99	C	ATCO 20017	C	658	97	194,907	181,397	-13,510	1,00	66,56	C
ATCO 19967	C	114	61	154,621	175,933	-21,312	1,00	76,99	C	ATCO 20018	C	658	97	194,951	181,397	-13,554	1,00	66,56	C
ATCO 19968	C	114	61	153,713	175,933	-22,220	1,00	76,99	C	ATCO 20019	C	658	97	194,995	181,397	-13,598	1,00	66,56	C
ATCO 19969	C	114	61	152,805	175,933	-23,128	1,00	76,99	C	ATCO 20020	C	658	97	195,039	181,397	-13,642	1,00	66,56	C
ATCO 19970	C	114	61	151,897	175,933	-24,036	1,00	76,99	C	ATCO 20021	C	658	97	195,083	181,397	-13,686	1,00	66,56	C
ATCO 19971	C	114	61	150,989	175,933	-24,944	1,00	76,99	C	ATCO 20022	C	658	97	195,127	181,397	-13,730	1,00	66,56	C
ATCO 19972	C	114	61	150,081	175,933	-25,852	1,00	76,99	C	ATCO 20023	C	658	97	195,171	181,397	-13,774	1,00	66,56	C
ATCO 19973	C	114	61	149,173	175,933	-26,760	1,00	76,99	C	ATCO 20024	C	658	97	195,215	181,397	-13,818	1,00	66,56	C
ATCO 19974	C	114	61	148,265	175,933	-27,668	1,00	76,99	C	ATCO 20025	C	658	97	195,259	181,397	-13,862	1,00	66,56	C
ATCO 19975	C	114	61	147,357	175,933	-28,576	1,00	76,99	C	ATCO 20026	C	658	97	195,303	181,397	-13,906	1,00	66,56	C
ATCO 19976	C	114	61	146,449	175,933	-29,484	1,00	76,99	C	ATCO 20027	C	658	97	195,347	181,397	-13,950	1,00	66,56	C
ATCO 19977	C	114	61	145,541	175,933	-30,392	1,00	76,99	C	ATCO 20028	C	658	97	195,391	181,397	-13,994	1,00	66,56	C
ATCO 19978	C	114	61	144,633	175,933	-31,300	1,00	76,99	C	ATCO 20029	C	658	97	195,435	181,397	-14,038	1,00	66,56	C
ATCO 19979	C	114	61	143,725	175,933	-32,208	1,00	76,99	C	ATCO 20030	C	658	97	195,479	181,397	-14,082	1,00	66,56	C
ATCO 19980	C	114	61	142,817	175,933	-33,116	1,00	76,99	C	ATCO 20031	C	658	97	195,523	181,397	-14,126	1,00	66,56	C
ATCO 19981	C	114	61	141,909	175,933	-34,024	1,00	76,99	C	ATCO 20032	C	658	97	195,567	181,397	-14,170	1,00	66,56	C
ATCO 19982	C	114	61	141,001	175,933	-34,932	1,00	76,99	C	ATCO 20033	C	658	97	195,611	181,397	-14,214	1,00	66,56	C
ATCO 19983	C	114	61	140,093	175,933	-35,840	1,00	76,99	C	ATCO 20034	C	658	97	195,655	181,397	-14,258	1,00	66,56	C
ATCO 19984	C	114	61	139,185	175,933	-36,748	1,00	76,99	C	ATCO 20035	C	658	97	195,699	181,397	-14,302	1,00	66,56	C
ATCO 19985	C	114	61	138,277	175,933	-37,656	1,00	76,99	C	ATCO 20036	C	658	97	195,743	181,397	-14,346	1,00	66,56	C
ATCO 19986	C	114	61	137,369	175,933	-38,564	1,00	76,99	C	ATCO 20037	C	658	97	195,787	181,397	-14,390	1,00	66,56	C
ATCO 19987	C	114	61	136,461	175,933	-39,472	1,00	76,99	C	ATCO 20038	C	658	97	195,831	181,397	-14,434	1,00	66,56	C
ATCO 19988	C	114	61	135,553	175,933	-40,380	1,00	76,99	C	ATCO 20039	C	658	97	195,875	181,397	-14,478	1,00	66,56	C
ATCO 19989	C	114	61	134,645	175,933	-41,288	1,00	76,99	C	ATCO 20040	C	658	97	195,919	181,397	-14,522	1,00	66,56	C
ATCO 19990	C	114	61	133,737	175,933	-42,196	1,00	76,99	C	ATCO 20041	C	658	97	195,963	181,397	-14,566	1,00	66,56	C
ATCO 19991	C	114	61	132,829	175,933	-43,104	1,00	76,99	C	ATCO 20042	C	658	97	196,007	181,397	-14,610	1,00	66,56	C
ATCO 19992	C	114	61	131,921	175,933	-44,012	1,00	76,99	C	ATCO 20043	C	658	97	196,051	181,397	-14,654	1,00	66,56	C
ATCO 19993	C	114	61	131,013	175,933	-44,920	1,00	76,99	C	ATCO 20044	C	658	97	196,095	181,397	-14,698	1,00	66,56	C
ATCO 19994	C	114	61	130,105	175,933	-45,828	1,00	76,99	C	ATCO 20045	C	658	97	196,139	181,397	-14,742	1,00	66,56	C
ATCO 19995	C	114	61	129,197	175,933	-46,736	1,00	76,99	C	ATCO 20046	C	658	97	196,183	181,397	-14,786	1,00	66,56	C
ATCO 19996	C	114	61	128,289	175,933	-47,644	1,00	76,99	C	ATCO 20047	C	658	97	196,227	181,397	-14,830	1,00	66,56	C
ATCO 19997	C	114	61	127,381	175,933	-48,552	1,00	76,99	C	ATCO 20048	C	658	97	196,271	181,397	-14,874	1,00	66,56	C
ATCO 19998	C	114	61	126,473	175,933	-49,460	1,00	76,99	C	ATCO 20049	C	658	97	196,315	181,397	-14,918	1,00	66,56	C
ATCO 19999	C	114	61	125,565	175,933	-50,368	1,00	76,99	C	ATCO 20050	C	658	97	196,359	181,397	-14,962	1,00	66,56	C
ATCO 20000	C	114	61	124,657	175,933	-51,276	1,00	76,99	C	ATCO 20051	C	658	97	196,403	181,397	-15,006	1,00	66,56	C
ATCO 20001	C	114	61	123,749	175,933	-52,184	1,00	76,99	C	ATCO 20052	C	658	97	196,447	181,397	-15,050	1,00	66,56	C
ATCO 20002	C	114	61	122,841	175,933	-53,092	1,00	76,99	C	ATCO 20053	C	658	97	196,491	181,397	-15,094	1,00	66,56	C
ATCO 20003	C	114	61	121,933	175,933	-54,000	1,00	76,99	C	ATCO 20054	C	658	97	196,535	181,397	-15,138	1,00	66,56	C
ATCO 20004	C	114	61	121,025	175,933	-54,908	1,00	76,99	C	ATCO 20055	C	658	97	196,579	181,397	-15,182	1,00	66,56	C
ATCO 20005	C	114	61	120,117	175,933	-55,816	1,00	76,99	C	ATCO 20056	C	658	97	196,623	181,397	-15,226	1,00	66,56	C
ATCO 20006	C	114	61	119,209	175,933	-56,724	1,00	76,99	C	ATCO 20057	C	658	97	196,667	181,397	-15,270	1,00	66,56	C
ATCO 20007	C	114	61	118,301	175,933	-57,632	1,00	76,99	C	ATCO 20058	C	658	97	196,711	181,397	-15,314	1,00	66,56	C
ATCO 20008	C	114	61	117,393	175,933	-58,540	1,00	76,99	C	ATCO 20059	C	658	97	196,755	181,397	-15,358	1,00	66,56	C
ATCO 20009	C	114	61	116,485	175,933	-59,448	1,00	76,99	C	ATCO 20060	C	658	97	196,799	181,397	-15,402	1,00	66,56	C
ATCO 20010	C	114	61	115,577	175,933	-60,356	1,00	76,99	C	ATCO 20061	C	6							

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AT20	1010	C	T20	0	0	270.564	10.019	34.003	1.00	10.76	0
AT20	1011	C	T20	0	0	271.000	10.020	34.003	1.00	10.76	0
AT20	1012	C	T20	0	0	271.436	10.021	34.003	1.00	10.76	0
AT20	1013	C	T20	0	0	271.872	10.022	34.003	1.00	10.76	0
AT20	1014	C	T20	0	0	272.308	10.023	34.003	1.00	10.76	0
AT20	1015	C	T20	0	0	272.744	10.024	34.003	1.00	10.76	0
AT20	1016	C	T20	0	0	273.180	10.025	34.003	1.00	10.76	0
AT20	1017	C	T20	0	0	273.616	10.026	34.003	1.00	10.76	0
AT20	1018	C	T20	0	0	274.052	10.027	34.003	1.00	10.76	0
AT20	1019	C	T20	0	0	274.488	10.028	34.003	1.00	10.76	0
AT20	1020	C	T20	0	0	274.924	10.029	34.003	1.00	10.76	0
AT20	1021	C	T20	0	0	275.360	10.030	34.003	1.00	10.76	0
AT20	1022	C	T20	0	0	275.796	10.031	34.003	1.00	10.76	0
AT20	1023	C	T20	0	0	276.232	10.032	34.003	1.00	10.76	0
AT20	1024	C	T20	0	0	276.668	10.033	34.003	1.00	10.76	0
AT20	1025	C	T20	0	0	277.104	10.034	34.003	1.00	10.76	0
AT20	1026	C	T20	0	0	277.540	10.035	34.003	1.00	10.76	0
AT20	1027	C	T20	0	0	277.976	10.036	34.003	1.00	10.76	0
AT20	1028	C	T20	0	0	278.412	10.037	34.003	1.00	10.76	0
AT20	1029	C	T20	0	0	278.848	10.038	34.003	1.00	10.76	0
AT20	1030	C	T20	0	0	279.284	10.039	34.003	1.00	10.76	0
AT20	1031	C	T20	0	0	279.720	10.040	34.003	1.00	10.76	0
AT20	1032	C	T20	0	0	280.156	10.041	34.003	1.00	10.76	0
AT20	1033	C	T20	0	0	280.592	10.042	34.003	1.00	10.76	0
AT20	1034	C	T20	0	0	281.028	10.043	34.003	1.00	10.76	0
AT20	1035	C	T20	0	0	281.464	10.044	34.003	1.00	10.76	0
AT20	1036	C	T20	0	0	281.900	10.045	34.003	1.00	10.76	0
AT20	1037	C	T20	0	0	282.336	10.046	34.003	1.00	10.76	0
AT20	1038	C	T20	0	0	282.772	10.047	34.003	1.00	10.76	0
AT20	1039	C	T20	0	0	283.208	10.048	34.003	1.00	10.76	0
AT20	1040	C	T20	0	0	283.644	10.049	34.003	1.00	10.76	0
AT20	1041	C	T20	0	0	284.080	10.050	34.003	1.00	10.76	0
AT20	1042	C	T20	0	0	284.516	10.051	34.003	1.00	10.76	0
AT20	1043	C	T20	0	0	284.952	10.052	34.003	1.00	10.76	0
AT20	1044	C	T20	0	0	285.388	10.053	34.003	1.00	10.76	0
AT20	1045	C	T20	0	0	285.824	10.054	34.003	1.00	10.76	0
AT20	1046	C	T20	0	0	286.260	10.055	34.003	1.00	10.76	0
AT20	1047	C	T20	0	0	286.696	10.056	34.003	1.00	10.76	0
AT20	1048	C	T20	0	0	287.132	10.057	34.003	1.00	10.76	0
AT20	1049	C	T20	0	0	287.568	10.058	34.003	1.00	10.76	0
AT20	1050	C	T20	0	0	288.004	10.059	34.003	1.00	10.76	0
AT20	1051	C	T20	0	0	288.440	10.060	34.003	1.00	10.76	0
AT20	1052	C	T20	0	0	288.876	10.061	34.003	1.00	10.76	0
AT20	1053	C	T20	0	0	289.312	10.062	34.003	1.00	10.76	0
AT20	1054	C	T20	0	0	289.748	10.063	34.003	1.00	10.76	0
AT20	1055	C	T20	0	0	290.184	10.064	34.003	1.00	10.76	0
AT20	1056	C	T20	0	0	290.620	10.065	34.003	1.00	10.76	0
AT20	1057	C	T20	0	0	291.056	10.066	34.003	1.00	10.76	0
AT20	1058	C	T20	0	0	291.492	10.067	34.003	1.00	10.76	0
AT20	1059	C	T20	0	0	291.928	10.068	34.003	1.00	10.76	0
AT20	1060	C	T20	0	0	292.364	10.069	34.003	1.00	10.76	0
AT20	1061	C	T20	0	0	292.800	10.070	34.003	1.00	10.76	0
AT20	1062	C	T20	0	0	293.236	10.071	34.003	1.00	10.76	0
AT20	1063	C	T20	0	0	293.672	10.072	34.003	1.00	10.76	0
AT20	1064	C	T20	0	0	294.108	10.073	34.003	1.00	10.76	0
AT20	1065	C	T20	0	0	294.544	10.074	34.003	1.00	10.76	0
AT20	1066	C	T20	0	0	294.980	10.075	34.003	1.00	10.76	0
AT20	1067	C	T20	0	0	295.416	10.076	34.003	1.00	10.76	0
AT20	1068	C	T20	0	0	295.852	10.077	34.003	1.00	10.76	0
AT20	1069	C	T20	0	0	296.288	10.078	34.003	1.00	10.76	0
AT20	1070	C	T20	0	0	296.724	10.079	34.003	1.00	10.76	0
AT20	1071	C	T20	0	0	297.160	10.080	34.003	1.00	10.76	0
AT20	1072	C	T20	0	0	297.596	10.081	34.003	1.00	10.76	0
AT20	1073	C	T20	0	0	298.032	10.082	34.003	1.00	10.76	0
AT20	1074	C	T20	0	0	298.468	10.083	34.003	1.00	10.76	0
AT20	1075	C	T20	0	0	298.904	10.084	34.003	1.00	10.76	0
AT20	1076	C	T20	0	0	299.340	10.085	34.003	1.00	10.76	0
AT20	1077	C	T20	0	0	299.776	10.086	34.003	1.00	10.76	0
AT20	1078	C	T20	0	0	300.212	10.087	34.003	1.00	10.76	0
AT20	1079	C	T20	0	0	300.648	10.088	34.003	1.00	10.76	0
AT20	1080	C	T20	0	0	301.084	10.089	34.003	1.00	10.76	0
AT20	1081	C	T20	0	0	301.520	10.090	34.003	1.00	10.76	0
AT20	1082	C	T20	0	0	301.956	10.091	34.003	1.00	10.76	0
AT20	1083	C	T20	0	0	302.392	10.092	34.003	1.00	10.76	0
AT20	1084	C	T20	0	0	302.828	10.093	34.003	1.00	10.76	0
AT20	1085	C	T20	0	0	303.264	10.094	34.003	1.00	10.76	0
AT20	1086	C	T20	0	0	303.700	10.095	34.003	1.00	10.76	0
AT20	1087	C	T20	0	0	304.136	10.096	34.003	1.00	10.76	0
AT20	1088	C	T20	0	0	304.572	10.097	34.003	1.00	10.76	0
AT20	1089	C	T20	0	0	305.008	10.098	34.003	1.00	10.76	0
AT20	1090	C	T20	0	0	305.444	10.099	34.003	1.00	10.76	0
AT20	1091	C	T20	0	0	305.880	10.100	34.003	1.00	10.76	0
AT20	1092	C	T20	0	0	306.316	10.101	34.003	1.00	10.76	0
AT20	1093	C	T20	0	0	306.752	10.102	34.003	1.00	10.76	0
AT20	1094	C	T20	0	0	307.188	10.103	34.003	1.00	10.76	0
AT20	1095	C	T20	0	0	307.624	10.104	34.003	1.00	10.76	0
AT20	1096	C	T20	0	0	308.060	10.105	34.003	1.00	10.76	0
AT20	1097	C	T20	0	0	308.496	10.106	34.003	1.00	10.76	0
AT20	1098	C	T20	0	0	308.932	10.107	34.003	1.00	10.76	0
AT20	1099	C	T20	0	0	309.368	10.108	34.003	1.00	10.76	0
AT20	1100	C	T20	0	0	309.804	10.109	34.003	1.00	10.76	0
AT20	1101	C	T20	0	0	310.240	10.110	34.003	1.00	10.76	0
AT20	1102	C	T20	0	0	310.676	10.111	34.003	1.00	10.76	0
AT20	1103	C	T20	0	0	311.112	10.112	34.003	1.00	10.76	0
AT20	1104	C	T20	0	0	311.548	10.113	34.003	1.00	10.76	0
AT20	1105	C	T20	0	0	311.984	10.114	34.003	1.00	10.76	0
AT20	1106	C	T20	0	0	312.420	10.115	34.003	1.00	10.76	0
AT20	1107	C	T20	0	0	312.856	10.116	34.003	1.00	10.76	0
AT20	1108	C	T20	0	0	313.292	10.117	34.003	1.00	10.76	0
AT20	1109	C	T20	0	0	313.728	10.118	34.003	1.00	10.76	0
AT20	1110	C	T20	0	0	314.164	10.119	34.003	1.00	10.76	0
AT20	1111	C	T20	0	0	314.600	10.120	34.003	1.00	10.76	0
AT20	1112	C	T20	0	0	315.036	10.121	34.003	1.00	10.76	0
AT20	1113	C	T20	0	0	315.472	10.122	34.003	1.00	10.76	0
AT20	1114	C	T20	0	0	315.908	10.123	34.003	1.00	10.76	0
AT20	1115	C	T20	0	0	316.344	10.124	34.003	1.00	10.76	0
AT20	1116	C	T20	0	0	316.780	10.125	34.003	1.00	10.76	0
AT20	1117	C	T20	0	0	317.216	10.126	34.003	1.00	10.76	0
AT20	1118	C	T20	0	0	317.652	10.127	34.003	1.00	10.76	0
AT20	1119	C	T20	0	0	318.088	10.128	34.003	1.00	10.76	0
AT20	1120	C	T20	0	0	318.524	10.129	34.003	1.00	10.76	0
AT20	1121	C	T20	0	0	318.960	10.130	34.003	1.00	10.76	0
AT20	1122	C	T20	0	0	319.396	10.131	34.003	1.00	10.76	0
AT20	1123	C	T20	0	0	319.832	10.132	34.003	1.00	10.76	0
AT20	1124	C	T20	0	0	320.268	10.133	34.003	1.00	10.76	0
AT20	1125	C	T20	0	0	320.704	10.134	34.003	1		

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386

[illegible]

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NETWTS19-6	WPS	WPS	199	105.977	95.907	-20.910	0.23	20.97	X	
NETWTS19-7	WPS	WPS	199	106.691	104.580	-13.717	0.39	33.90	X	
NETWTS19-8	WPS	WPS	201	101.639	100.100	-15.153	0.66	33.94	X	
NETWTS19-9	WPS	WPS	202	104.202	102.757	-21.150	0.65	30.99	X	
CHAPTER	1179	0	190	99	0	0	63.927	22	0	333
END										

European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 30 6060

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Y,D	CLEMONS JR ET AL: "Structure of a bacterial 30S ribosomal subunit at 5.5 Å resolution" NATURE, vol. 400, 26 August 1999 (1999-08-26), pages 833-840, XP002182367 * See page 833 (3.6 Å), page 836 (Figure 3) and pages 838-839 (Discussion) *	1,2	C07K14/195 G06F17/50
Y,D	TOCILJ ET AL: "The small ribosomal subunit from Thermus thermophilus at 4.5 Å resolution: Pattern fittings and the identification of a functional site" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, USA, vol. 96, 7 December 1999 (1999-12-07), pages 14252-14257, XP002182368 * See page 14253 (Table 1) *	1,2	
A	AGALAROV ET AL: "Structure of the S15,S6,S18-rRNA complex: Assembly of the 30S ribosome central domain" SCIENCE, vol. 288, 7 April 2000 (2000-04-07), pages 107-112, XP002182369 * See page 108 (Figure 1 and Table 1) *	1-11	TECHNICAL FIELDS SEARCHED (Int.Cl.7) C07K G06F
P,X	WIMBERLY: "Structure of the 30S ribosomal subunit" NATURE, vol. 407, 21 September 2000 (2000-09-21), pages 327-339, XP002182370 * See page 332 (Figure 5) and 335 (Table 2) *	1-11	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 13 November 2001	Examiner Korsner, S-E
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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